

## Teaching

Technology advances so quickly that it is difficult to keep students well-prepared to face the challenges of today's workforce. To address this, my overall teaching philosophy is to focus on general concepts that underly all networking and security systems and then draw upon a vast amount of examples in both research and industry that are instantiations of those concepts. I have applied this approach to all of the courses I have developed and continuously update them over time to ensure their relevance to students. I am also a proponent of utilizing methods at the bottom of the learning pyramid and have attempted to have students balance passive listening to lectures with hands on lab activities and project presentations. The results of this approach are reflected in the instructor effectiveness ratings across course offerings which are listed in the table below along with some comments from students in each.

Click on course title to display reviews

CS 430P/530: Internet, Web, & Cloud Systems		
Term	Rating	Comments
Fall 2021 (Attend Anywhere)	5.0/5.0	<p>(9 months after course) I'm a Computer Science graduate from Portland State University currently working at Intel as a Cloud Software Development Engineer. I completed CS 530 and I just want to thank you. The topics taught were exactly what they expected from me in the Intel interview and these are the technologies used right now in industry. I was confident in my interview and now in my job because of the CS 530 labs and homework. I'm glad that I had the opportunity to take this amazing class under your assistance. Thank you!</p> <p>Excellent course! I like the emphasis on Docker, kubernetes, and serverless deployment. Assignments, labs and the project are super relevant to the material discussed in class. I would 100% recommend this class to anyone I know.</p> <p>Wu-chang Feng is by far the best professor I have had. He is knowledgeable and not afraid to admit when he is unsure of something. Also willing to admit to the whole class when there are issues in the notes.</p> <p>Learned a lot through the class, very hands on and applicable learning. Need all CS classes to be like this project based. WE LEARN BY DOING!!!!</p> <p>The labs and homework were fun...The instructor tells really good stories that are related to the material. It gives more life to the lectures and makes the course more relevant and interesting. Please tell more cool stories.</p> <p>This was hands-down the best course I've taken at PSU. The amount of preparation and work the professor has done to build the code labs and homework is just staggering. In contrast to many courses which lean heavily into theory, this course is jam-packed with exposure to real world tools and services that make up the bleeding edge of the web.</p> <p>Overall a really good and really practical oriented class. Would highly recommend all students in the CS dept take it.</p> <p>Wu-chang Feng is a wonderful instructor. Obviously very knowledgeable about the course material. The only thing I would suggest is more variety of assignments (please no more guestbook, or at least a little less). In any case, I really enjoyed his class.</p> <p>Wu-chang continues to be one of the best professors in the department. I really appreciate Professor Feng's emphasis on current trends, tools, and technologies. The lectures and content are super dense and I really like the weekly lab structure to reinforce the materials as opposed to testing and memorization. I've learned a lot, thank you!</p>

		<p>I always enjoy his classes and learn a lot. He makes difficult subjects enjoyable.</p> <p>This course was great like all of professor Feng's courses. I learned a lot. The assignments were very useful.</p>
Fall 2020 (remote)	4.9/5.0	<p>The course covered such a huge range of material that I found myself pretty lost sometimes. That said, I can at least look at Cloud computing with less of a "deer-in-the-headlights" look moving forward, which is probably the ultimate goal (no one's going to be made an expert on cloud computing in 10 weeks).</p> <p>This class is great. It's a ton of work, but I'm happy to do it. It feels like the most professionally relevant course I've taken yet. Should be part of the core CS curriculum. Even over zoom Wuchang is an interesting and engaging lecturer.</p> <p>Really enjoyed the course. I personally found aws to be a bit frustrating with all the logouts, but that isn't really the course's fault :).</p> <p>The department knows this, but Prof. Feng can always be depended on for a solidly constructed/delivered class. I'll also note that the format he's used for years lends itself well to the remote format.</p> <p>An overwhelming amount of content presented in every class. But, that's understandable because there really is that much cloud tech you need to be aware of. Overall, a great experience, and learned a lot from this class.</p> <p>The structure of the class is nice once you get used to it. The lab work can take longer than stated (though that might be my own fault)</p> <p><b>This should re a required class for the CS degree. I feel like it was the last pieces of the puzzle to put together all the different things that I had learned. one of the best classes I've ever taken.</b></p> <p>Overall I enjoyed the schedule of the class even though there are a lot of labs. I feel that I learned a lot through the progress of the course and would recommend it to others.</p> <p>Wu-chang did an excellent job with this quarter. He was approachable, understandable and helped foster a comfortable environment to learn and practice new concepts. I would agree that there was probably too much homework for this course, but none of it seemed unnecessary; it was more a result of there being so much content covered in the course than Wu-chang assigning too much work. Overall I was extremely satisfied with the course and am looking forward to and actively seeking out classes taught by Wu-chang.</p>
Fall 2019	4.9/5.0	<p>"Absolutely love Wuchang's classes. His command over the subject is amazing. In 10 weeks I am not a pro but he has made me feel comfortable about the cloud as a novice it didn't feel like I was dwelling into something unknown. He starts with some basics knowledge and builds over that. Yes the things that are taught in 10weeks is a lot to take in actually, but with Wuchang it doesn't feel like a burden and lost. I wish he taught more classes mainly Fullstack and any web development or anything related to web classes."</p> <p>"Homework labs sometimes took longer than expected due to the material being out of date/ not working with google cloud platform updates. That made it frustrating at times to complete, but otherwise, the assignments were helpful in learning to use the different tools covered in class."</p> <p>"I loved the subject matter in this class and especially enjoyed the application of knowledge and learning through application. The homework assignments and gradual progression was quite clever and fun. Professor Wu-Chang had a solid grasp of the material and was able to communicate the</p>

subject matter well. He was available to answer questions in class, on Slack, etc. My main complaint was that the length of the labs were too long to the point where I felt they were not as constructive. There is so much wonderful material to cover, but cramming it in seemed daunting."

"Great lectures and labs. Some of the labs were a little disorganized but do-able. Some of the labs needed a little more clarification for it to fully make sense."

"Overall, well structured, organized and defined coursework. The professor knows the materials and explains things very well."

Spending so much time on Google Cloud really helped me understand the moving parts required to deploy complex projects to the cloud. I had experience with using certain GCloud tools but now I feel more confident especially wrt containers/Cloud Run.

I thought the instructor was great at communicating this difficult subject, although the lab assignments were tedious and I would've preferred more homework instead of labs, the thunder CTF's were great and I felt I learned more from them.

I enjoyed every single class I've taken taught by you or if the material taught was owned by you. Full-stack web development, blockchain, cloud internet and security were all good classes. I think PSU should look into creating a program that is a subset of CS (Web developer?) that does not cover the full spectrum of CS theory but includes classes like these

Classes were interesting and very informative. Some of the labs took a really long time to complete. More lab hours would have been useful!

Best CS class I've taken so far. Very useful real world skills learned rather than theoretical material.

Fall 2018

4.9/5.0

"I found this class exemplary in all respects. I have found that CS classes are normally very hit-or-miss, and this class was a definite hit. The material felt both approachable and extremely relevant to current industry practices, neither of which I can say about most CS classes. Labwork and Homework were both excellent in striking the balance between "easy enough to accomplish, given time" and "useful in teaching and conveying the material." I would take this class again in a heartbeat. I wish I had taken this class before my Capstone. I have recommended to all of my peers to take this class if it comes up again. I love this class."

"I had a great experience in this class! At a high level, I've seen most of the abstractions in the class before, but I gained a lot by working through the labs and reading the couple of linked research papers and checking out the podcasts. Your lectures were clear and well organized, and I really appreciated your discussion of how these abstractions are used in industry and how they're changing over time. Thank you for a great class!"

"Awesome class! Wished you taught all the CS classes here at PSU."

"Professor went above and beyond to be available and communicative. His understanding of the material and passion to teach make this class a pleasure to take. Definitely enjoy the hands on and lab work provided for an in depth understanding of materials. Would recommend both this professor and this course to others."

"Awesome course that covers not just fundamentals but the latest technologies in internet and cloud systems out in the industry. I would highly recommend to take this course to anyone interested."

"This was the best and most relevant course I've taken in the CS Master's program so far. I really enjoyed that it was constantly evolving. Great stuff."

"I really admire how relevant this coursework is, and how up to date on current events in the tech world Wu Chang is. I feel like I've learned more useful things in this class than anything else I've taken in the past. Thank you!"

Spring 2018	5.0/5.0	<p>"The subject turned out to be really helpful for me. I got an DevOps Engineer Intern position"</p> <p>"I wanted to let you know that i accepted a job as an Entry Level Cloud Ops Engineer... In the interview, I spoke about things we did in your class such as VM's, Containers, Docker, Kubernetes and some more and they were very impressed with the fact that i even knew what those things were, let alone have experience working with them. I didn't have very much experience with GCP or any of the technologies you taught us but with the labs you had us do, and doing some exploring in my free time, I was able to learn enough this term to help me land the job. Thank you for this term, and being a great instructor."</p>
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## CS 495/595: Web and Cloud Security

Term	Rating	Comments
Winter 2022	4.7/5.0	<p>(6 months after class) Thank you for being such a great mentor to me during my university time, Wu-chang. Without your guidance, I do not think I would have gotten to where I am starting my first software job. Your cloud and web security classes have been invaluable. Thank you again.</p> <p>Wu-Chang is super friendly and personable in his lectures, and he breaks subjects down and teaches them well. He has the type of positive attitude that makes a morning class bearable! I enjoyed that he gave us many real-world examples of what he was teaching us, and the variety of what we learned. This is the class that has given me the most experience with the material in the CS department, because he introduced us to so many different websites, commands, resources, programs, etc.</p> <p>Wu's classes are actually some of THE BEST classes i have taken here at Portland State. His teaching is done in a class that makes it easy for everyone to learn and his homework load and layout is so much better in terms of organization and length than all the other CS classes. I hope Wu sticks around for a while and that he could be an example for the rest if the CS department.</p> <p>Professor Feng was one of the best instructors I've ever had. He has boundless energy and is passionate about the subect matter. In all, the best possible way to blend a long career in Infosec with a return to academia (for me). I give this class A+/10*s!!</p> <p>Another great class. I've enjoyed all of Professor Feng's classes and this was no exception.</p> <p>Dr. Feng's courses are always practical, informative, relevant and interesting. I have never had so much fun completing labs and homework in over two years in the CS department. At the same time, I have never been so frustrated at certain stumbling blocks while making efforts to finish tutorial-like assignments. Luckily, Dr. Feng, his TA Wen, as well as a fair amount of classmates make this learning process much more accessible and bearable. The fact that Dr. Feng is constantly and quickly responding to the class slack channel every day is just one way in which he goes above and beyond. Each lecture references recent breaches in web security, and always relates to the topics learned previously. The sheer amount of set-up and preparation for any of his courses, especially Web Security, is yet another demonstration of how committed Dr. Feng is to the process of learning. Every lab is experiential education - the main reason why the rare moments of exasperation are far outweighed by the joy of discovery and accomplishment.</p> <p>It was a pleasure to take another course by Wu-chang Feng! His cloud computing course was the best course I had ever taken at PSU, and this Web Security course is even better than that one. Whether you intend to go into web development or not this content should be seriously considered for introduction into the required courses. It's things that every computer science student should be cognizant of. I would also like to specially thank the professor for the tremendous amount of work it must take to produce the labs which make up the lions share of this course. They must require constant updating to keep up with ever-changing cloud services. I will definitely put my knowledge gained through the class to good use!</p> <p>I appreciate this class. No other class has made me cringe harder at some of the earlier web apps I wrote. They</p>

Winter  
2021

4.8/5.0

definitely could have been exploited in several different ways. Thank you again for this class. It was really useful knowledge. I really appreciate all of the stuff I have learned.

Dr Feng was amazing. The course content is very relevant and bleeding edge for what we will experience in industry. His lecturing style is great. Sometimes it would be beneficial if the pace of the lecture slowed a bit to let everyone catch up. TA was great this class too. I liked the method of learning that avoided textbooks and exams but instead focused on hands on labs and coding assignments. It was a lot of work but a much better way to cement the concepts. Great job and I hope to work with Dr Feng again in the future!

There was a lot of great content in this class, but I felt like I was missing a lot of it due to the short term length. I felt like I couldn't really sit with the material and internalize it. None of this is the fault of the professor. Ten weeks is just not enough time to learn so much complex material.

This was one of my favorite courses at PSU. I liked all the self paced labs, and they seemed to have more direction than the Intro to Security course binary CTFs. The recorded lecture format made it easy to balance my full time work with class learning, and made it simple to follow example walkthroughs. Tying the well known hacks to actual vulnerabilities discussed in the course was interesting and relevant.

This class was a ton of work. It was not easy keeping up with all of the lab assignments, but I feel like that is balanced with the time we are given. The labs are very useful hands-on experience.

The only critique I can offer is that I found the homeworks far more insightful than the labs--especially the last half of the labs. Maybe a homework covering those labs would be a good add?

I really enjoyed this class. The workload at times felt like a lot of work, but I think this was because the nature of these homeworks came with a lot of troubleshooting (thinking of the cloud assignments specifically).

Great class, great professor.

Wu-chang is a great professor and really understands how to teach and help students properly.

Professor Feng was absolutely amazing!! I wish I could have taken this class in person, I think I would have had so much more fun, but the fact that he was able to make it fun remotely is a godsend. He did absolutely amazing in teaching us the things we need to know and the grading was fair. I think this class is a high contender for my favorite class I've ever taken at PSU. Thank you for an amazing term!!

Winter  
2020

4.8/5.0

One of the best formatted classes I have taken in the CS department. Each assignment has a logical reason to be done, and has actual useful ties to the real world. You can visibly see the work that is done in class in real life examples, and that is a really powerful way to show that this is still being done to this day and how important this topic is. Thank you for teaching us so well.

Wu-Chang has an incredible amount of knowledge in the realm of cyber security. He is truly a tremendous asset in the Computer Science department's faculty at Portland State. I signed up for this course with a mild interest and a vague understanding of the subject, and I got to experience a knowledge accelerating crash course that has changed my life. I not only understand significantly more about security, I understand more about how to learn well generally. I'm a bit more paranoid about using computer systems now. Maybe for the better...

Professor Feng is one of the most organized, knowledgeable teachers I have ever had. He clearly spends time preparing for every lecture and updates the course material daily as needed/requested by students. He is very active on the course Slack channel (which REALLY NEEDS to be paid for/upgraded by the university so we dont lose conversations after 10,000 messages - extremely detrimental to constructive learning) on a daily (sometimes hourly) basis. He continues to modify the curriculum to be current with modern topics and news. He also promotes awareness of the industry (jobs available) and understanding of multiple topics/disciplines. His course outline is phenomenal and should become the basis for most CS classes - labs with clear walkthroughs, CTF style homeworks and lectures that are valuable, informative and recorded for continued learning when outside of class or absent from a lecture.

This course is fantastic and essential for keeping your online accounts safe from hackers. I would recommend it to anyone because Professor Feng knows the material like the back of his hand and makes difficult topics easy to understand.

Wu-chang is a great lecturer, communicator and is extremely knowledgeable about Web Security. I thoroughly enjoyed this class and would recommend it to others as well other classes by him.

One of the best teachers in the CS department! Very enthusiastic about what he teaches, communicates topics

and course material very well, and responds very quickly and consistently via email and slack. The class was one of the most difficult CS classes I've taken in terms of the amount of work assigned and the complexity of the topics. It typically took me 4 or 5 times as long to finish every lab and assignment than indicated by the instructor. It's a personal preference, but I prefer to go into depth on less topics than to scratch the surface on so many like this class did. Amazing professor all around! I'd take him again and recommend him to anyone who is willing to put the work/hours in.

The workload is kind of a lot, but overall very interesting subject matter. I am now paranoid of most services

The instructor is really good and knows his subject really well. He is hardworking. As there is a lot of material and lab work in the course, I felt I did not get very deep knowledge of the material. It was kind of an overview of everything.

There seemed to be a lot of work for this class. It was a bit surprising.

Wu-chang Feng provides an excellent course with very enjoyable content. It was a lot of work, however the information provided was incredibly useful and applicable to both real world scenarios and exercises on the historical problems. The materials provided were incredibly useful, and his availability via Slack, Office Hours, and after class made it very easy to get help if needed. Overall one of the best courses offered in the Computer Science curriculum, highly recommend.

Cloud and Web Security by Wu-Chang Feng has been the most insightful and interesting course I have taken at PSU. The exercises were challenging and interesting, and the lectures were well prepared and educational.

This class has a fairly heavy workload so if students are wanting to take a relatively lightweight upper division CS elective, they may want to look elsewhere. The lecture itself, while good, felt kind of purposeless sometimes. I believe this was because I learned more from the hands-on nature of the labs and homework than the lectures themselves. During lecture, the instructor seemed enthusiastic about answering questions and discussing different topics. However, after lecture, it felt much more difficult to get a quality answer from the instructor. Overall, an okay course for satisfying an upper division CS elective. For students who have a deeper interest in cybersecurity, this class might fit the bill. His class is great

I'd have loved to delve deep rather than this broad. Labs/HW were really satisfactory and knowledge enhancing. But they were too hectic, I found it difficult to read through books for other subjects. I'd love to have you take an in depth course from any of the topics covered in class. Thank you professor.

Fall 2017

4.7/5.0

"I really enjoyed Professor Wu's classes. The homeworks were really fun and I learnt a lot with respect to web security vulnerabilities. I liked both the Programming Assignments."

"I thoroughly enjoyed Professor Feng's course. I think his style of teaching and assignments are both excellent. This is the second of his courses that I have taken and hope to take more. I appreciate all the work that he has put in in constructing useful homework. He is one of my favorite professors that I have encountered since I've been here."

"It was a lot of fun!"

"This class was very enjoyable and I really liked the practice!"

"Feng is a very good teacher. The class is useful and practical."

Spring  
2017

4.7/5.0

"He was a great professor and really engaged with the class. Always quick to help and answer questions."

"Great course for practical experience and getting a richer understanding of web security."

"This was an awesome class, being able to learn through example really helped cement the

		<p>knowledge, rather than focusing purely on theory. Great job!"</p> <p>"It's refreshing to have a class with applied knowledge, where we are hands-on learning about vulnerabilities and exploitation. It is a great intro level course to build a good foundation about web security. As someone who has found a few vulnerabilities in the wild, the course does a great job of covering common vulnerabilities and attack/defend methods. Class has a good amount of work, without being too much. Coursework is enough to get the idea, and learn, without dreading doing tons of exploits. One of my favorite courses!"</p> <p>"Very practical and interesting course. Thoroughly enjoyed the material and skills learned seems to be useful for future career paths. Wu-chang has been one of my favorite instructors at Portland State. He is approachable and respectful to his students."</p> <p>"Great class. A practical way to approach some serious issues in computing"</p>
Fall 2016	4.7/5.0	"The class was engaging and informational. This has been one of my favorite CS courses. Would highly recommend!"
<b>CS 492/592: Malware Reverse Engineering</b>		
Term	Rating	Comments
Summer 2022 (Remote)	4.9/5.0	<p>Really cool class, thank you!</p> <p>This was a truly amazing class and the teacher did an excellent job explaining the difficult concepts.</p> <p>I felt that goals were clear and he wanted to see us succeed. Great class</p> <p>I found the class to be a really great experience. It was not only very informative but, also Prof. Wu-Chang Feng found a way to make the course fun. This increased my personal engagement. I also feel I retained a lot more knowledge than some other classes due to the fun factor. I have absolutely no complaints about this class.</p> <p>This was my favorite CS class so far, can't wait to learn more about security. Thank you!</p> <p>Excellent follow up to the work done in the System's class. This class solidified what I learned in that class, in addition with working with a bunch of different malware analysis tools. Really enjoyed the class, really enjoyed working with real professional tools. Material very interesting. Thanks!</p> <p>Very fun and interesting, favorite class so far.</p> <p>Thank you! I had a great class!</p> <p>Thank you! Definitely a great course :)</p>
Winter 2021	4.9/5.0	<p>This course was fun. The hands on homeworks forced me to understand the material more in depth.</p> <p>Professor Feng's class structure is one of my favorite at PSU. Rather than just accepting how awful normal education standards are and continuing to force it on students, Professor Feng has developed</p>

a refreshing course. It enables students to actually work with the material while building skills and techniques actually required in the industry. I recommend any of his classes to students that are interested in cyber security. Higher (sic) more instructors like him please.

A great course I would suggest to any cs student interested in the topic.

This was one of my favorite all time CS courses. I appreciated how it was a more practical class with a lot of hands on exercises. Sometimes the labs had ambiguous wording which needs to be made more clear.

Professor Feng is fantastic at making complex material easy to understand. I am excited to go to each and every lecture. I would recommend anyone to take his classes because they are very informative.

I loved this class. It's hard to believe all of the concepts that I have learned throughout the term. The labs and CTFs were a great way to get hands on experience with the concepts.

Thank you so much! This class was awesome.

Thank you for a really awesome class. I feel like I learned a lot and I hope I was able to show that as well.

Winter  
2019

4.9/5.0

This class can be very challenging but anyone that takes it gets a lot out of it! Great course and great instructor. I plan on taking more classes with this professor in the future.

Hands down my favorite CS course so far. Very hands on experience made learning easy and fun. I actually enjoyed reading the book and doing the homework assignments.

Thoroughly enjoyed the entire class.

I loved this class. It helped me develop a much deeper understanding of concepts presented to me in classes like operating systems and programming languages even though that was not its primary focus.

I enjoyed the class. The overall structure was laid out well, the challenge of the CTFs was perfect for me. By the end I felt I had learned a lot about Malware and appreciate the amount of work that goes into defending against it.

I really enjoyed the class, but I wish we had more time for exploring more symbolic execution, and hands-on reverse engineering. I was pleasantly surprised by the end of the course at my confidence level for starting the final reverse engineering project. I think everything scaffolds really well... The RE final project was probably the most fun I've ever had doing an assignment... thanks for a great term, Wu!

This is the most immediately practical class I've ever taken.

Like all of Wu's classes, the class was well structured and scaffold so I could easily and quickly learn the material. We covered a lot but it never felt overwhelming.

Really appreciate the screencasts. It is so nice to be able to just focus on listening during lecture, knowing I can review the screencasts and don't have to take notes. Every class should do it.

Winter  
2018

4.7/5.0

"This is a really great class! I really appreciated all the work and effort Prof. Feng put into creating this class and all the CTFs associated with the class. It's also very nice that Prof. Feng records all his lectures, so we can review the lectures as needed. I love the use of a Slack channel in the class,



		<p>because it's nice to get help and answers from fellow students. Finally, my favorite part of the class is Prof. Feng's passion for the subject. Often at PSU, professors assume that you should care about the subject and that because the subject is important to them, it will be to you as well. In the past I've found it very frustrating that professors read their slides and fail to connect the students with the subject. This wasn't an issue in this class. Prof. Feng often talked about the importance of security in the real world and in building future products."</p> <p>"I continue to be extremely impressed with the CS Security track at PSU. I knew this class was going to be good when the first thing we were shown was about educational methodology and the class putting an emphasis on learning by doing rather than just lecture. The CTFs, the book, the instructor, the labs, having the lectures on media space... everything about this class is extremely good. Please keep this up!!!"</p> <p>"Can we clone him?"</p> <p>"I really enjoyed this class. I'm a big fan of Professor Feng's method of having us do CTF levels for homework, as it gives a hands on way to explore the concepts and learn by doing. The workload was fair, and the textbook was interesting and helpful. I appreciated the professor's availability, both on and offline. He was very helpful with course material, and generally more available than any of the other professor's I've had though my CS program at PSU. Thank you!"</p> <p>"Outstanding class in every way. The hands-on format was extremely helpful for conveying real skills and proving they were learned. I like how there are no exams and all the work is hands on. Pay Wu-Chang more and give him tenure."</p> <p>"great course, instructor obviously cares about his student's learning"</p>
Winter 2017	4.6/5.0	<p>"Awesome class, I got much better at comprehending x86."</p> <p>"...this guy is without a doubt one of the best teachers in the CS department and really understands how to structure a class for optimal learning. The CTF homework structure and the build your own level at the end not only made the class a good learning experience but more importantly made it fun. Everyone else should take note!"</p>
Winter 2015	4.5/5.0	<p>"By far one of the best professors in the CS program, he was reasonable, fun, he cares about the subject and the students, so much so that when I had to miss a class one day, but was on campus, he noticed and pointed it out to me. I would definitely take other classes from him and I definitely think other CS instructors should take lessons from him."</p> <p>"A great course."</p> <p>"It has been a great pleasure - thank you!"</p> <p>"The labs and homework were great hands-on exercises."</p>
Winter 2014	4.6/5.0	<p>"Great class, learned a lot"</p> <p>"This was by far the most enjoyable and rewarding class I have taken at PSU. While it was quite difficult and confusing at times, I must say, learning new tools and getting more experience working with assembly really helped me establish my understanding of concepts explored in CS 201 and CS</p>

		<p>333. Thanks Dr. Feng for a great term."</p> <p>"The good thing with this class is the hand-on (sic) lab and it is really helpful to understand the material...I really enjoy this class and Prof. Feng really (sic) good at explaining material one on one basis"</p>
Winter 2013	4.6/5.0	<p>"I really liked the material that was presented. I feel like I actually learned something useful for a change in the CS program."</p> <p>"The topic is very interesting. More time should be spent on this in our full CS academic career."</p>
Winter 2012	4.4/5.0	<p>"Interesting subject material; cover a wide variety of malware topics with lots of case studies"</p> <p>"Good instructor, great material"</p>
Winter 2011	4.8/5.0	<p>"The material is very interesting."</p> <p>"Covered a lot of ground and gave info on lots of types of malware"</p> <p>"Lots of background material and good coverage of complicated topics. Good papers lectures pretty clear."</p>
Spring 2010	4.8/5.0	<p>"I liked beginning with a general overview of malware and ending with more specific studies of malware."</p> <p>"Probably the most interesting CS class I've taken."</p>

#### CS 410: Blockchain Development and Security

Term	Rating	Comments
Fall 2021 (Attend Anywhere)	4.5/5.0	<p>Favorite CS course so far.</p> <p>Great class, I learnt a lot. Was really interesting, enjoyed the lectures.</p> <p>I've really enjoyed how relevant this class is. Material is always up to date, and it's readily evident that Professor Feng is passionate about the topic and also teaching.</p> <p>Labs are challenging and I've learned a lot. One of my favorite classes.</p>

Fall 2020 (remote)	4.9/5.0	<p>This class was very useful and informative. The course material was straightforward. I love that prof. Feng records every lecture, and I wish it was required that all instructors do so.</p> <p>Professor Feng's classes are a model for modern CS education with the hybrid online labs and class instruction. I'm a big fan! Many CS classes feel 10 years out of date (those that aren't timeless, like Algorithms), so taking classes that use current technology is really valuable.</p> <p>Wuchang is one of the best professors I have taken classes from in the Computer Science department. This class was well structured and very informative. He is very understanding of students' time and does not waste it.</p> <p>No complaints! A well organized and prepared course overall</p>
Fall 2019	4.7/5.0	<p>Great professor. The content of the course is great, and the CTF levels are a little challenge, but doable.</p> <p>Great class. Outlining the goals of the lab notebooks in better detail would have been helpful since there wasn't much guide of what to place in them. Wu-chang is always on the bleeding edge and that is a great benefit for the department.</p> <p>Very enjoyable and excellent course. Dr. Wu-chang Feng's had an excellent grasp of the subject and provided a lot of material both in class and outside of class. Many resources and a lot of help available if needed. I look forward to taking more of the instructor's classes in the future.</p> <p>This class was focuses (sp) a lot more on smart contracts than I expected which is fine. I really appreciate the exposure to google cloud console for the project hosting. I think symbolic execution is a deep important subject that I would really like to know more about but we barely covered it. The subject seems like it almost deserves its own class. I might give it less time in this course to focus more on the core elements of the class, or give it more time.</p>
Spring 2019 (w/ Charles Wright)	4.8/5.0	<p>For such shakey source material, Wu managed to make an interesting and informative class. I definitely understand the basics of blockchain now and would be able to convey my knowledge in a constructive manner. That being said, I don't know what manner that would be appropriate... (to anyone reading this that isn't familiar with this material, that was a Blockchain joke)</p> <p>This was the best class besides malware.</p> <p>Wu-chang is rad. One of the few profs who knows how to make education fun and interesting. Seriously, the man has a rare talent for teaching.</p> <p>This class was a lot of fun. Despite the subject matter changing frequently in the real world, Wuchang did a great job rolling with the changes and differences since the last time he taught the course.</p>

Great professor. Well organized, interesting topics and discussions. Plenty of reference material and additional readings for supplemental knowledge and understanding. The course material was a little scattered as the topic is new and changing constantly. Good job for the first time is course has been taught.

Overall the professor was very knowledgeable, accessible and reasonable with his expectations for the course. Lots of material was covered.

I really enjoyed the content of the course, I wish we would have more time to spend investigating more complex vulnerabilities attacks and also how to automatically detect them.

It would be a very difficult feat indeed to find something negative to say about this professor. The professor knows the material, communicates it well, and checks for understanding - rewording or summarizing difficult concepts. Out of all the professors I've had at PSU this one seems to have a true grasp of how to teach and clearly has a passion and talent for the profession. In addition, I feel that the course material is relevant to my work outside of school - not always something emphasized in school. I highly recommend this professor to anyone who asks about him and in turn recommend the courses he teaches.

### CS 576: Computer Security Seminar

Term	Rating	Comments
Spring 2020 (w/ Charles Wright)	5.0/5.0	<p>The professor did a great job hosting the class via Zoom. He was well prepared and able to have everybody on board. The audio and video were great. We didn't experience any technical problems.</p> <p>I enjoyed the course and feel like I got a lot out of it but couldn't help but feel like of all CS courses I've taken, it would have benefited from face-to-face meetings. Of course due to the circumstances that wasn't an option but I regret that we weren't able to do that.</p> <p>Fancy Bear approves of this course. Stolen Pencil might ;) Would have liked to have seen more discussion of the papers and research brain storming instead of just presenting the contents.</p>
Spring 2018 (w/ Charles Wright)	4.8/5.0	<p>I loved this class. It has given me so many new areas of interest I don't know where to start.</p> <p>I really enjoyed this class a lot. I felt that I learned an incredible amount of information about all sorts of security issues. I wasn't sure what to expect from this class, but I found the material and flow of the class so interesting, I would take it again if I could. Overall, I had a great time in this class. Thanks for putting it together and have a great summer.</p> <p>The breadth of security topics was one of my favorite aspects of the course. The cadence of work was also very steady, I really appreciated knowing that for the next several weeks what I had to read and review. Just makes planning around other things in life that much easier. Allowing us who are not so outspoken during class time to put our thoughts in the reviews was another positive. It was also clear that this was the sort of class where it was clear everyone wanted to be there and we all shared a high interest in the subject matter. More classes like this please. The slack channel was also nice, seeing the regular postings of security news was fun to follow. Finally, thanks for making me aware of the Risky.biz podcast, it's awesome and now in my regular rotation.</p>

<b>CS 410: Business Blockchain Fundamentals Lab</b>
<b>CS 201: Computer Systems Programming</b>
<b>CS 299: New Beginnings</b>
<b>CS 200: Computer Systems Programming</b>
<b>CS 305: Social, Ethical, and Legal Implications of Computing</b>
<b>CS 347U: The Internet Age</b>
<b>CS 492/592: Computer Security Practicum</b>
<b>CS 494/594: Internetworking Protocols</b>