

JEFFREY S HUANG

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Education:

Carnegie Mellon University

Aug 2016 - May 2020 | Pittsburgh, PA
B.S. in Electrical and Computer Engineering
Minor in Computer Science
Dean's List

Skills:

Technical:

Python, C, C++
GoLang, Java
SQL, SML
Git, Linux
Verilog
HTML, JS, CSS
LATEX

Languages:

English (native),
Cantonese,
Mandarin

Coursework:

Computer Security*
Embedded Systems
Distributed Systems
Introduction to Computer Systems
Parallel Algorithms and Data Structures
Cryptocurrency and Blockchain
Graduate Introduction to ML
Hardware Arithmetic for ML*
Structure and Design of Digital Systems
Functional Programming
Principles of Imperative Programming
Fundamentals of Programming

Extracurricular Activities:

Lambda Phi Epsilon

- Delegate to the Multicultural Greek Council*
- Service Chair
- Culture and Events Chair

Alpha Phi Omega
Asian Students Association

Experience:

Software Engineering Intern | MemSQL

May 2019 - Aug 2019 | Pittsburgh, PA

- Developed and tested multiple new data egressors that greatly increased the capability and versatility of moving data from MemSQL into various distributed systems
- Worked as major point of contact between engineering and sales to help build customer requested features and to ensure product quality
- Winner of final company hackathon for the category Best Tool

Software Research Intern | CyLab Usable Security and Privacy Lab

June 2018 - Aug 2018 | Pittsburgh, PA

- Worked on FuzzML, a project designed to develop and evaluate a method of using machine learning to detect XSS vulnerabilities and bugs in JS engines via fuzzing
- Helped to develop and improve multiple ML models, creating testing infrastructure to quantitatively measure their effectiveness

Capital One Software Engineering Summit

Jan 2018 | Arlington, VA

- Selected from over 500 applicants to participate in a week-long program at Capital One Labs, working with and learning from Capital One engineers
- Winner of the final hackathon with the theme "changing banking for good"

Technology Enhanced Facilities Operator | Computing Services

Jan 2018 - Dec 2018 | Pittsburgh, PA

- Responsible for staffing and maintaining CMU's computer labs, as well as providing troubleshooting support and user assistance

Featured Projects:

RAM: Real Money

1st place winner in Capital One Software Engineering Summit Hackathon

- Integrated Chrome Extension, IOS App, and a DialogFlow Chat Bot that calculates "real cost" of purchases from the expected additional interest costs missed stock gains based on banking history
- Cost of items on Amazon Cart is automatically updated by own real cost calculator and banking API

Selfy

Finalist for 2018 HackThisHelpKids Hackathon

- Created a web and mobile application that used facial recognition to monitor children's day to day emotions, analyzing and tracking it over the course of thirty days to provide a quantitative measurement of mental health flags
- Integrated simple game and reward system to incentive children to record their emotions

RamenX

2018 Build 18 Hardware Hackathon

- Designed and created a smart automated ramen maker controlled remotely via Wi-Fi
- Featured on CMU College of Engineer 2018 Spring Semester Recap