Eric Siu

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Education

Sep '18-Jun '21	**Bachelor of Science, Computer Engineering**, *UC, San Diego*, GPA - 3.98.
Aug '14-May '18	**High School**, *Glen A. Wilson HS*.

Projects

Oct '19-Present — **Network Measurement and Analysis for Security and Performance**
- Undergraduate Research
- Focused on analyzing the HTTP protocol and exploring how HTTP works in practice
- Analyzing the network to optimize performance and discover potentially abusive behavior

May '19-Present — **Dining Hall Messenger Bot**
- Personal Project
- A Facebook Messenger Python bot that scrapes data from UCSD's HDH website in order to tell the user what food is being sold at user-chosen dining halls for the day.
- Using Flask and Pymessenger API to communicate with Facebook

'16-'17 — **Aftermath**
- Congressional App Challenge 2017 CA-39 1st Overall Place winner.
- Developed front-end JavaScript code to make the web app responsive to user input.
- Math classrooms app that connects teachers and students, allowing them to ask questions.
- Drawing board allows students to draw graphs, communicate with voice, and input math equations using LaTeX.

Technical Skills

Programming	Java, C, Python, Assembly, Javascript
Software	MS Word, MS Excel, MS PowerPoint, Git & Github, Multisim [Circuit Design]
Other	UNIX, JUnit, Vim, Prototyping [Breadboarding, Soldering]
Coursework	Obj-Oriented Programming: Java, Adv. Data Structures and Obj-Oriented Design, Systems Programming, Algorithm and Systems Analysis, Analog Design, Software Tools and Techniques

Work Experience

Dec '18-Mar '19 — **Student Worker**, Canyon Vista, UCSD
- Worked together with cooks and coworkers to ensure smooth dining experience for customers

Jun '18-Aug '18 — **Work Experience Trainee**, Steinmetz Park, Hacienda Heights
- Led recreational services at local park and created documents using MS Office

Awards

'19-'20 — Richard L. and Fern W. Erion & Laidlaw-Erion Scholarship

Interests

- Software Engineering
- Circuit Design
- Robotics
- Kendo & Gaming