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, C++, Javascript, Assembly
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 + Computer Architecture
- Kendo & Gaming