

Eric Siu

Education

Sep '18-Jun '21 **Bachelor of Science, Computer Engineering, UC, San Diego**, GPA - 3.97.

Projects

- Oct '19-Present **Network Measurement and Analysis for Security and Performance | Undergraduate Research**
- Currently analyzing web resources sent to the user (**Javascript**, Chrome Extension)
 - Examining the resources to discover potentially abusive behavior using machine learning models
- Sep '19-Dec'19 **Robocalls Data Analysis | Team Project**
- Developed **Python** code that grabs data from the FCC in order to analyze the behavior of unwanted calls over the past 6 years.
 - Used **Cartopy**, **ImageIO** and **Socrata API** to communicate with the FCC website to visualize data using a time earth map.
- May '19-Sep'19 **Dining Hall Messenger Bot | Personal Project**
- A Facebook Messenger **Python** bot that scraped 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.
 - Used **Flask** and **Pymessenger API** to communicate with Facebook
- Oct '19-Oct '19 **Activ5 Music | SD Hacks 2019**
- An Android Studio app using **Kotlin** to add music play features using the Activ5 workout tool.
 - Designed and implemented a game that tests the user's maximum grip strength
- Jun '17- Dec '17 **Aftermath | Team Project**
- 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++, C, Python, Javascript
- Software Tools Git & Github, Multisim [Circuit Design], MS Office
- Other UNIX, JUnit, Vim, Jupyter Notebook, Prototyping [Breadboarding, Soldering]
- Coursework Adv. Data Structures and Obj-Oriented Design, 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

Interests

- Software Engineering
- Circuit Design + Embedded Systems
- Robotics + Computer Architecture
- Kendo & Gaming