

# 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 1<sup>st</sup> 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