



EMILY NGUYEN



eminguyen.me



emily@computer.org



714-725-9338



San Diego, CA



/emilyhuongnguyen



/eminguyen

Education

Computer Engineering B.S. - Design Minor | University of California, San Diego | Sept '16- Jun '20

Experience

Google Cloud Platform Student Innovator | Vaco S.F. | *July 2018 - Present*

- Ambassador for Google Cloud Platform contracted by Google via Vaco S.F.
- Host events including workshops and office hours in order to provide resources about the product
- Develop relationships with campus faculty and student organizations

Software Engineering Intern | Kitu Systems Inc. | *July 2018 - Present*

- Refactored thousands of lines of NodeJS server code into multiple repositories
- Use Chai and Sinon.js to write unit tests with mocks, spies, and stubs
- Engaged in an agile workflow with daily scrum meetings and Atlassian JIRA / Bitbucket

Facilitator | Treobytes | *June 2018 - Present*

- Teach children programming, drone construction, and 3D printing at schools and summer camps
- Develop curriculum revolved around personal interests in STEM including game and web development

Leadership

Technical Chair | IEEE UC San Diego Student Branch | *May 2018 - Present*

- Cooperate as part of a team of 19 in order to manage UC San Diego's largest engineering club
- Develop and teach workshops on programming, electronics, and mechanical engineering
- As a volunteer- taught boy scouts circuitry, organized girls's STEM fair, judged at robotics competitions

Research and Development Team Member | Project In A Box | *April 2018 - Present*

- Creating an Arduino Farming Robot; its build process is documented and will be turned into college curriculum

Secretary and Programmer | Gasm Development Studio at UCSD | *September 2017 - Present*

- Cooperate between three teams (art, programming, music) in order to develop games in C# and Unity

AP Computer Science A Teacher Assistant | TEALSK12 | *June 2018 - Present*

- Teaching Java at a local high school to prepare students for the AP Computer Science A examination

Projects

AntBot | Discord chat bot with over 300 users | NodeJS, Javascript

- Modular chat bot for the popular VoIP application, Discord, built using the Discord.JS library
- Uses XMLHttpRequests to call various APIs, retrieving weather and video game statistics
- Using Handlebars templating engine, the bot's website automatically updates when new modules are added

Firebae | Firebase backed e-commerce store for SB Hacks 2018 (UCSB) | Javascript, Firebase, Android

- Worked as part of a team of 5 to create a web application incorporating 5 Firebase features
- Single handedly developed an Android application overnight that communicated with the main website

What Do You Meme | Live social compatibility test for LA Hacks 2018 (UCLA) | NodeJS, Javascript, Sockets.IO

- Created a meme based personality test that linked multiple devices together through web sockets

Assure Secure | Keyless Entry System - First Place at IEEE Projects Competition | Arduino, C, Circuitry

- Worked as part of a team of 3 to create an automatic door system using Arduino, NFC sensors, and servos

Skills

Interpersonal: Leadership, Teamwork, Teaching, Management

Languages: Python, Javascript, HTML, CSS, SQL, Java, C, C#, C++, Bash, ARM

Software: Git, NodeJS, Heroku, Unity, Bootstrap, Semantic UI

Hardware: Circuitry, Soldering, PCB Design (EagleCAD), Raspberry Pi, Arduino, 3D Modelling

Other: Marathon Runner, Video Gaming (Top 1% in world's largest esports, League of Legends)