EMILY NGUYEN

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Education

Computer Engineering B.S. | University of California, San Diego
Design Minor | September '16 - June '20 (Expected)

Experience

Google Cloud Student Innovator | Vaco S.F. (Contracted by Google) | July '18 - Present
 - Serve as a public brand ambassador for Google Cloud Platform at University of California San Diego
 - Provide resources and education on GCP through dozens of events including workshops and hackathons
 - Collaborate with campus faculty, student organizations, and fellow innovators to develop a GCP community

Software Engineering Intern | Kitu Systems Inc. | July '18 - Present
 - Refactor and repair several thousand lines of NodeJS server code and split into multiple repositories
 - Use Mocha, Sinon, and Chai to write unit and integration tests with mocks, spies, and stubs
 - Engage in an agile workflow with daily scrum meetings and Atlassian JIRA / Bitbucket

Treobytes | Facilitator | June '18 - Present
 - Teach middle school children engineering skills including programming, drone construction, and 3D modeling

Leadership

IEEE UC San Diego Student Branch | Technical Chair | June '18 - Present *Formerly: Staff Member (September '17)*
 - Work as part of a team of 19 to manage UC San Diego's largest engineering club and IEEE's second largest branch
 - Teach workshops on programming, electronics, and engineering including a future workshop at SD Hacks 2018
 - Taught boy scouts circuitry, organized girl's STEM fair, judged at elementary and collegiate robotics competitions

Additional Involvement

 TEALSK12 | AP Computer Science A Teacher Assistant | July '18 - Present

 Game Development Studio | Secretary | May '18 - Present *Formerly: Programming Team (September '17)*

 Project in a Box | Research and Development Team Member | April '18 - Present

 Strides Running Club | Webmaster | August '17 - Present

Projects

Antbot | Discord chat bot with 300+ users | NodeJS, Javascript
 - Modular chat bot for the popular VoiP application Discord, built using the Discord.JS library
 - Utilizes XMLHttp Requests to call various APIs, retrieving weather and video game statistics
 - Tied backend to frontend using Handlebars; the website automatically updates when new modules are added

Firebae | Firebase backed e-commerce store for SB Hacks 2018 (UCSB) | Javascript, Firebae, Android
 - Developed majority of front-end on website using HTML, CSS and Bootstrap
 - Single handedly created a sister Android application overnight (in 4 hours) which paired with the main website

What Do You Meme | Live social compatibility test for LA Hacks 2018 | NodeJS, Javascript, Sockets.IO
 - Created a meme based personality test that linked multiple devices together with web sockets

Assure Secure | Keyless Entry System - First placde at IEEE Projects Competition | Arduino, C, Circuitry
 - Utilized NFC sensors, servos, Arduinos, and 3D printing to create an automated door lock system

Skills

Interpersonal: Leadership, Teamwork, Teaching, Management
Languages: Python, Javascript, HTML, CSS, Java, C, C++, C#, SQL, Bash, ARM
Software: Git, NodeJS, Google Cloud Platform, Heroku, Unity, Bootstrap, Semantic UI
Hardware: Circuitry, Soldering, PCB Design (EagleCAD), Arduino, Raspberry Pi, 3D Modeling
Other: Marathon Runner, Video Gaming (Top 1% in world's most played video game, League of Legends)