Gideon Tong

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Core Qualifications

- **Languages:** Java, C/C++, Python, JavaScript (ES6), SQL, Objective-C, Swift, HTML/CSS
- **Frameworks:** React, Node.js, Express.js, Django, Flask, MongoDB, Docker, Google Cloud, AWS
- **Workflow:** Git, GitHub, Continuous Integration/Deployment, Kanban, Unit Testing
- **Platforms:** Unix/Linux, Windows, macOS, iOS, Android, Arduino, Raspberry Pi
- **Schematic Capture/Board Layout:** Altium, OrCAD, PSpice (Circuit Simulation)
- Excellent communication (written, verbal, and social) skills
- Proven track record of analytical problem solving and innovation

Education

University of California San Diego Term GPA: 3.7 | Expected Graduation 2022

- Bachelor of Science in Electrical Engineering (emphasis in machine learning and embedded circuits)
- Coursework: object-oriented programming, data structures and algorithms, components and circuits, signals and systems, ARM assembly, computer organization
- Leadership/Activities: Association for Computing Machinery, Institute for Electrical and Electronics Engineers

Experience

Software Engineering Intern, ***Eccalon, LLC*** October 2020 – Present

- Government contractor working on project for US Department of Defense
- Developed backend systems for processing data that reduced wait times from 2 hours to 10 seconds

Co-Founder and Software Engineer, ***Tudrme*** September 2018 – March 2020

- Saved company $35,000 in hosting fees by deploying onsite NodeJS and PostgreSQL stack
- Wrote frontend and backend service logic in React, with focus on reliability and security to protect user data and ensure secure online transactions
- Implemented user profiles, online payment systems and user management systems

Programming Instructor, ***Sandbox Computers*** June 2018 – September 2018

- Instructed over 400 students in Python, basic circuit design, and Ruby using Raspberry Pi and Arduinos
- Authored internal-use code and instruction materials

Projects | Hackathons: 27

Platypus: Cybersecurity Scanning Utility (Link: getplatypus.ml) February 2020 – Present

- Automatically and instantly scans websites visited to find security vulnerabilities
- Cal Poly San Luis Obispo 1st Place out of 143 participants
- Built with JavaScript, Docker, Python, Flask, Canva and Adobe Creative Cloud

Amy: Chatbot (Link: amyhelps.ml) September 2019 – Present

- AI-powered Discord chatbot with built-in video game and moderation tools
- Over 13,000 visitors and 500 daily active users in 6 countries
- Built with JavaScript, Node.js, Jekyll, Canva and Adobe Creative Cloud

Authentic: Fake News Verification Tool (Link: readauthentic.ml) November 2018 – July 2019

- Automatically detects news feeds and attempts to redirect potentially fake news to a news source of the same topic with higher factual reporting ratings
- Built with C++, JavaScript, HTML/CSS, Jekyll, Canva and Adobe Creative Cloud