Steve Huynh

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INTRO. *A coachable recent university graduate with studies in Electrical Engineering and Computer Science, who loves breaking, building, and understanding. The complexities packed inside a well-designed, simple seeming product tickle my brain. While engineering naturally comes with fun tough challenges, I'm most excited when a product or service can provide sufficient value to others. Seeking an Entry-Level Software Engineering position packed with both professional and personal growth.*

Team Player • Self-Aware • Driven • Enjoys Learning • Friendly • Loves ice cream

Education

B.S. in Electrical Engineering, Computer Science at UC Davis from 09/2013 to 12/2017

Technical Skills

Backend • C • C++ • Verilog • FPGA • SoC • Microcontrollers • Sensors • Bluetooth LE • PCB Design • EAGLE • Working with API's • AWS • Lab Testing Equipment • Matlab • Java • Python • App Development • Qt • Android Studio • HTML • CSS • JavaScript

Work Experience

Embedded Software Contractor, 9/2017 to Present and Embedded Software Intern, 7/2017 to 9/2017 @ Kabrya

Kabrya creates wearables both solar-powered and fashion-forward providing features that employ machine learning and AI.

- Regularly learned new concepts and technologies for new tasks
- Worked closely with CEO on implemental and design decisions
- Developed real-time interrupt-driven operating system software
- Wrote code for real-time data gathering across multiple sensors
- Interfaced data transmission between App and MCU via Bluetooth
- Implemented algorithms including error logging storage
- Configured low power modes to conserve power consumption
- Debugged and stress tested features using tools like logic analyzer
- Worked with peripherals like UART, I2C, SPI, WDT, PWM, and others

Projects

Full-Stack Embedded Student for Senior Design Project, focused in IoT dev. and entrepreneurship

Created a smart bicycle lock with alarm capable of sensing and deterring potential thieves, with sharing and GPS tracking feats.

- Conceptualized and engineered a smart bicycle lock from beginning to end with three teammates in span of ten weeks
- Planned weekly team goals with foresight of potential roadblocks
- Took initiative to learn new technical skills including Mobile App dev. and 3D printing to help team members and meet deadlines
- Soldered and debugged custom printed circuit boards (PCB)
- Programmed peripherals including lock's motor, sensor, and alarm
- Designed and coded user interface of Android App
- Modeled and printed 3D bicycle lock and enclosures for PCB's

Wapow! A chrome extension built to increase work productivity by blocking requests to distracting websites.

- Conceptualized, learned, and built productivity tool
- Challenged self to learn extension dev. using HTML, CSS, and JSON
- Learned and integrated web request and chrome extension API's
- Decreased daily consumption of Facebook and other social medias

Spotify Playlist Merger. Curated for road trips by filtering and creating playlists with mutual songs from multiple playlists @ UC Davis Hackathon.

- Collaborated with teammates under extreme time constraints
- Communicated effectively, professionally, and personally to improve workflow and maintain enjoyment in 24 hour duration
- Learned and integrated Spotify API's without prior JavaScript exp.