

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 Firmware 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
detering potential thieves, with
sharing and GPS tracking feats.

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

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

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