

Steve Huynh

Recent university graduate with fundamentals in
Electrical Engineering and Computer Science.

Curious and passionate in discovering how I can apply
and utilize software to impact everyday people.

hi-steve.github.io

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Seeking full-time employment as a
Software Development Engineer

Experiences

Kabrya. Wearables both solar-powered and fashion-forward.
(July 2017 – Mar. 2018)

- Used logic analyzer to stress test watchdog timer that manages various virtual timers syncing continuous interval events and asynchronous one-shot events
- Debugged and stress tested sensor manager for real-time data gathering from sensors
- Implemented buffers for reliable data transmission between GATT server and clients
- Configured bonding for secure and authorized Bluetooth pairing between devices
- Configured deep sleep capability to conserve overall power consumption
- Updated code to optimize additional resources and be compatible with new hardware

Projects

Yes Lock. Bicycle lock smart, protective, and ride-shareable.
(Senior Design, IoT Development and Entrepreneurship)

- Collaborated with three teammates on product from start to end in span of five months
- Configured Bluetooth for dependable communication between SoC and Android App
- Designed and implemented UI of App and interfaced SoC to App via Bluetooth
- Programmed microelectronics from servo motor to accelerometer and alarm using standard embedded protocols and peripherals
- Modeled and printed 3-D bicycle lock and enclosures for printed circuit boards

Wapow! Chrome extension increasing productivity.

- Incorporated web request and chrome API's using HTML, CSS, JavaScript, and JSON

Relevant Skills

C, C++, Java, Python, R, CUDA, Matlab, Qt, Android Studio, HTML, CSS, JavaScript, Chrome Extension Development, PSoC, TI CCS, Verilog, AWS, EAGLE, Autodesk Fusion, Electronics Lab Equipment, Microcontrollers, Adobe Photoshop, Lightroom

Education

University of California, Davis
B.S. in Electrical Engineering, Computer Science

Sept. 2013 – Dec. 2017
GPA: 3.158 / 4.00

Project-based Courses

Computer Networks
Computer Architecture
Data Structures
Digital Systems
Electronic Design
Embedded Systems
Machine Learning

Python
C, MIPS, MPI, NVIDIA CUDA
C++
FPGA Board, Verilog
Android Studio, C, EAGLE, Java, Microcontroller
AWS, C, C++, Microcontroller
Octave, Python