

Steve Huynh

Recent university graduate with studies in
Electrical Engineering and Computer Science.
Curious and passionate in discovering how our
advancing technology can continue to impact.

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Seeking full-time employment as a
Software Development Engineer

Experiences

Kabrya. Wearables both solar-powered and fashion-forward employing AI and ML.
(Embedded Software Developer, July 2017 – Mar. 2018)

- Interfaced App to microcontroller via Bluetooth using PSoC, Qt, and MVC architecture
- 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 that's 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
- Interfaced Android App to custom PCB via Bluetooth for dependable communication
- Designed and implemented user interface of Android App
- 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 custom printed circuit boards

Wapow! Chrome extension increasing work productivity.

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

Technical Skills

C, C++, Java, Python, R, CUDA, Matlab, Qt, Android Studio, HTML, CSS, JavaScript,
Working with API's, PSoC, TI CCS, Verilog, AWS, EAGLE, Autodesk Fusion,
Electronics Lab Equipment, Microcontrollers, Adobe Photoshop, Adobe 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