Cameron Pickett

820 272nd Place SE – Sammamish, WA 98075

(425) 577 2470 • pickett.cj@gmail.com • cpickett.org

Skills

Software

- Proficiency with C/C++, Java, and Python
- Git repositories and Gerrit code review
- Android application framework and user interface
- MySQL database design using InnoDB engine

Hardware

- Designs utilizing Atmel ATMEGA and UC3, and TI MSP430 microcontrollers
- Implementing hardware data security using AES-256
- Designing for high speed communication using USB, Bluetooth, or WiFi
- PCB layout and routing with 4 or less layers

Education

University of Washington   **Seattle, WA**
Undergraduate in Computer Engineering   *2011–Now*
- Cumulative GPA of 3.77
- Focus: systems programming, embedded systems, ubiquitous computing
- Expected to graduate March of 2014

Bellevue College   **Bellevue, WA**
Associate of Arts and Sciences   *2009–2011*
- Focus: Computer Science
- Graduated with distinction

Related Experience

Embedded Systems Capstone   **University of Washington**
Encrypted USB flash drive   *March 2013–June 2013*
- Designed and produced a hardware-encrypted USB2.0 flash drive unlockable via smartphone.
- Programmed an Atmel 32-bit microprocessor using C.
- Routed a prototype PCB in the form-factor of a flash drive.
- Developed an Android app in Java to communicate with the drive via Bluetooth.

UbiComp Lab   **University of Washington**
Undergraduate Researcher   *January 2012–Now*

- Designed and implemented a high-concurrency server backend for SpiroSmart using Nginx; Tornado, a Python server framework; and MySQL.
- Designed an Android library to communicate with aforementioned server using Google's http-java-client and gson libraries.
- Implemented a wireless signal-processing unit for Electrisense using Lua and C on an OpenWRT-enabled router SoC and Atmel microprocessor.

CyanogenMod

Code Contributor   *2010–2012*

- Contributed code to the gingerbread and icecream sandwich branches of CyanogenMod, an open source fork of the Android Open Source Project.
- Provided bugfixes and implemented requested functionality for the user interface using Java.

References

Sidhant Gupta   **UbiComp Lab**

PhD student, Computer Science and Engineering
sidhant@cs.washington.edu
http://homes.cs.washington.edu/~sidhant/
(206) 651-4055

Eric C. Larson   **Southern Methodist University**

Assistant Professor, Bobby B. Lyle School of Engineering
eclarson@lyle.smu.edu
http://eclarson.com (214) 768-7846

Russell Calcote   **Klahanie QFC**

Assistant manager
russell.calcote@stores.qfci.com
(425) 392-2776