Robert Schriver

bobschriver@gmail.com

http://bobschriver.github.com

Phone: 856-906-4876

Education:

Computer Science Major / Imaging Science Minor — Rochester Institute of Technology
2008 – 2012 — GPA: 3.5

Relevant Coursework: Digital Image Processing I/II, Bio Inspired Intelligent Systems

Languages and Tools:

Experienced With: C, Ruby, Java, Python, git
Familiar With: Matlab, C++

Experience:

Transportation Engineer — Amazon
January 2014 – Present — Seattle, WA

- Developed system for allowing carriers to use geocoded polygons to define shipping areas and times to deliver to those areas

Software Development Engineer — Microsoft, Windows Phone
August 2012 – November 2013 — Redmond, WA

- Delivered a compelling prototype bringing a new touch digitizer technology into our existing touch framework
- Worked with C++ and C to modify and refactor our legacy touch stack to work with new touch hardware

Malware Development Intern — Booz Allen Hamilton
June 2011 – August 2011 — Linthicum, MD

- Developed a comprehensive malware application for the Android platform
- Used Java and C to circumvent Android security measures
- Became familiar with the reverse engineering of both x86 and Android malware through IDA and smali

Projects

Bandcamp Radio

- Created a web application based off of Ruby, Javascript and Websockets to play music from Bandcamp tagged with certain genres

Where Should I Live?

- Parsed online sources to create database of bus frequencies, restaurant quality, and apartment cost in Seattle
- Used data to create a heatmap of desirable locations depending on user preferences

Finding walking trails in Satellite Images

- Developed a program in Matlab based on seam carving which detected walking trails in a forested area
- Utilized registered LIDAR and multi-spectral imagery to create a composite image which distinguished trees from the ground