Bob Schriver

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SKILLS

Ruby, Java, C, Python
SQL, Javascript, Matlab, C++

EDUCATION

B.Sc Computer Science - Rochester Institute of Technology

EXPERIENCE

Amazon — Transportation Engineer
January 2014 – Present

- Integrated with a geocoding system to allow carriers to define shipping areas and transportation times by polygons
- Migrated shipment counting system to Japanese market
- Created a Java application to update shipment counting system with new orders from website

Microsoft — Windows Phone Engineer
August 2013 – December 2014

- Delivered a compelling software prototype for hover touch technology in C and C++
- Integrated hover touch into our existing C++ touch framework, exposing hover touch to UI layer
- Migrated Windows Gesture Recognition engine to Windows Phone

Booz Allen Hamilton — Research Intern
May 2012 – August 2012

- Developed a comprehensive malware application for Android in Java and C
- Demonstrated capabilities for covert audio, video, and textual data gathering through the malware application
- Received training in reverse engineering Windows and Android binaries

PROJECTS

Where Should I Live?

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

Finding walking trails in satellite imagery

- Developed a program in Matlab to detect walking trails in a forested area from LIDAR and multi-spectral data

Bandcamp Radio

- Wrote a websockets server in Ruby to parse genre data from Bandcamp and provide lists of songs based on tags from the user
- Created a Javascript frontend to turn these songs into a web radio station

Trains to National Parks

- Used Mapbox to create a map mashup of Amtrak stations and National Forests and Parks to demonstrate the feasibility of a cross-country train tour