

Bob Schriver

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SKILLS	Java, C, Javascript, Ruby, Python, SQL, Matlab, C++	
EDUCATION	B.Sc Computer Science '12 - Rochester Institute of Technology	
COURSEWORK	Detectors, Applications of Remote Sensing, Digital Image Processing	
EXPERIENCE	Amazon — Transportation Engineer	January 2014 – Present
	<ul style="list-style-type: none">• 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• Worked with business users to advise on and implement new features in defining transportation network	
	Microsoft — Windows Phone Engineer	August 2013 – December 2014
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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?	
	<ul style="list-style-type: none">• 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	
	<ul style="list-style-type: none">• Developed a program in Matlab to detect walking trails in a forested area from LIDAR and multi-spectral data	
	Implementation of Patch-Match algorithm	
	<ul style="list-style-type: none">• Created Python implementation of the Patch-Match algorithm, which is the basis of Photoshop's Content Aware Fill functionality	
	Trains to National Parks	
	<ul style="list-style-type: none">• 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	