

# Ian Littke

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## Work Experience

### POPULUS GROUP, LLC for MICROSOFT

*Software Test Engineer III*

**Redmond, WA**

2014–2015

Software and hardware test engineer for Cortana

- Created stop-gap solution for testing Cortana keyword spotter (Mobile & PC)
- Collected microphone/speaker data for statistical analysis on OEM laptops

### POPULUS GROUP, LLC for MICROSOFT

*Software Test Engineer II*

**Redmond, WA**

2012–2014

Software and hardware test engineer for Xbox One and Kinect

- Provided a fix for pre-alpha phase test data ( 20,000 wav files) caused by bug
- Rewrote existing test infrastructure from batch script to C# reducing runtime while increasing received test data
- Created .NET webpage with graphs to show detailed information on automated tests

### POPULUS GROUP, LLC for MICROSOFT

*Software Test Engineer I*

**Redmond, WA**

2010–2012

Software and hardware test for Xbox 360 Kinect

- Created temporary solutions for daily accuracy testing
- Developed and executed both manual and automated tests
- Bi-Monthly SDK validation testing for team

## Languages and Technologies

Proficient	Java	C	C#	
Beginning	SQL	Racket	JavaScript	Python
Tools	Visual Studio	IntelliJ	gcc	git
Skills	Agile Methodologies	Testing	Automation	*nix, OS X, Windows

## Projects of Interest

### WESTERN WASHINGTON UNIVERSITY

*MiniShell*

2016

- Simple C shell for Unix as class project.
- Handles pipes, redirection, command/variable expansion, and simple script reading.

### EDMONDS COMMUNITY COLLEGE

*Emergency Vehicle Detection: Frequency Detection and Localization*

2015

- Experimental project (github.com/mowzie/vehiclefinder)
- Implemented a cross-correlation algorithm in C to determine frequencies of interest.

### MICROSOFT

*Recording Tool*

2013–2015

- Designed, developed, documented, and maintained in-house C# recording wrapper
- Interfaced with Xbox 360, Xbox One, Win10 devices, and a LUA gantry robot

## Education

### Western Washington University

*Bachelors of Science: Computer Science*

**Bellingham, WA**

2015–Dec 2017 (expected)

### Edmonds Community College

*Associate of Science: Mathematics*

**Lynnwood, WA**

2014–2015

### Art Institute of Seattle

*Associate of Applied Arts: Audio Production*

**Seattle, WA**

2007–2009

## Awards

**2015–present:** Washington State Opportunity Scholarship