

# Ian Littke

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## Summary

Recent computer science graduate with experience in software development and testing with **C**, **C#** and **Java**.  
I am a quick learner that can easily adapt.

## Languages and Technologies

Languages	C	C#	Java	Python	SQL
Technologies	git	Scikit-Learn	Tensorflow	WPF	
Elective Courses	Deep Learning	Device Drivers	Parallel Computation	Natural Language Processing	

## Work Experience

### POPULUS GROUP, LLC for MICROSOFT

Redmond, WA

*Software Test Engineer*

2010–2015

Software and hardware test engineer for Xbox

- Collected microphone/speaker data for statistical analysis on
- Rewrote existing test infrastructure from batch script to **C#** reducing runtime by 50% while increasing received test data
- Created **.NET** webpage with graphs to show detailed information on automated tests
- Created tools for daily accuracy testing including Cortana/Xbox keyword spotter

### Other.....

### WESTERN WASHINGTON UNIVERSITY

Bellingham, WA

*Audio Recordist*

2016–2017

- Archival recording and digitizing analog recordings for the music department.

## Projects of Interest

### WESTERN WASHINGTON UNIVERSITY

*Reinforcement Learning Project*

2017

- Group project to use machine learning models to teach a rigid-body simulation in Unity
- Utilized ml-agents framework to tie Unity and **tensorflow**

### WESTERN WASHINGTON UNIVERSITY

*Flight Planner*

2017

- Group project for the Whatcom Civil Air Patrol (CAP), written in **C#**
- Allows CAP to easily create Garmin G1000 navigation files
- Provided the majority of the front-end development
- Project information is stored at [github.com/CIOS-Digital](https://github.com/CIOS-Digital)

### EDMONDS COMMUNITY COLLEGE

*Emergency Vehicle Detection: Frequency Detection and Localization*

2015

- Experimental project ([github.com/mowzie/vehiclefinder](https://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 tool
- Interfaces with Xbox 360, Xbox One, Win10 devices, and a LUA-controlled gantry robot

## Education

### Western Washington University

Bellingham, WA

*Bachelors of Science: Computer Science, GPA 3.33*

2015–Dec 2017

### Edmonds Community College

Lynnwood, WA

*Associate of Science: Mathematics, GPA 3.75*

2014–2015

### Art Institute of Seattle

Seattle, WA

*Associate of Applied Arts: Audio Production, GPA 3.0*

2007–2009