Ian Littke

Software Developer Engineer in Test

✉ Mt Vernon, Washington

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Social Network

in linkedin.com/in/littke

github.com/mowzie

github.com/mowzie/Resume

Languages

- C#
- Java
- C
- JavaScript
- Python
- MYSQL

Frameworks

- WPF
- MCV WebForms

Other Interests

- NLP
- Recording & Mixing Music
- Camping
- Sailing

Soft Skills

- Adaptable & Flexible
- Able to MultiTask
- Fast Learner
- Troubleshooting
- Friendly & Empathetic
- Mentoring & Tutoring

Work Experience

2020-Present — **Software Development Engineer in Test II** — EASi/Tech Mahindra for Microsoft
- Ran NVMe SSD qualification tests for Surface Storage team
- Updated and maintain **C#** and **Powershell** test code as well as documentation
- Improved testing automation, reducing qualification test time from 4 to 2.5 weeks
- Created **C#** and **Powershell** tools to facilitate test result compilation
  - Implemented a parsing tool to autocreate **Excel pivot chart** to expidite performance comparisons
  - Added in drive health logging between cycles in existing test tool
  - Created automation wrappers for several manual tests

2018-2020 — **Software Developer** — Faithlife
- Developed new features using **C#**, **React**, and **WebForms**
  - Created new modals for
- Created new and updated old **RESTful API routes**
- **Refactored** API codebase for speed improvements and seperation from legacy "ball of mud"
- Wrote new features and unit tests in **NUnit** and **Cypress**

2010 – 2015 — **Software Test Engineer I, II, III** — Populus Group, LLC for Microsoft
- Manual and automated testing for Xbox Kinect
- Headed data-collection effort for speech recognition training/testing
- Created in-house **C#** recording tool used by team
- Rewrote nightly tests from batch script to **C#**, reducing runtime and tripling data
  - Documented results in a **.NET** webpage with **Excel Pivot Tables**

Education

2015 – 2017 — **Bachelor of Science: Computer Science** — Western Washington University

2014 – 2015 — **Associate of Science: Math Focus** — Edmonds Community College

2007 – 2009 — **Associate of Applied Arts: Audio Production** — Art Institute of Seattle

Projects

2017 — **Flight Planner** — WWU
- Group project for the Whatcom Civil Air Patrol (CAP), written in **C#**
- Allows CAP to easily create Garmin G1000 navigation files
- Currently under rewrite due to Google API changes
- Source: github.com/CIOS-Digital/flight-planning/tree/dev

2017 — **PCI-DAS08 Device Driver** — WWU
- Device driver for an external audio interface
- Written for both NetBSD (**C**) and Windows 10 (**C**++)
- Source: github.com/mowzie/dasDriver

2010 – 2015 — **Recording Tool** — Microsoft
- **WPF C#** app to assist in manual and automated recordings
- Controls a **LUA** gantry robot for audio playback while recording on Xbox, Mobile, and laptops