Zach Miller

Seattle, WA   zmmille2@gmail.com   zmmille2.github.io

TECHNICAL SKILLS

Comfortable: Azure Functions, DevOps, Terraform, GitHub Actions, Software Patterns, Systems Level Programming, Bot Development, Scripting, Functional Programming, C#, Python, Typescript
Familiar: Machine Learning, Network Infrastructure, Blockchain Development, Reverse Engineering, Driver Development, Containers, Web Development, Haskell

EDUCATION

Computer Science, B.S.   May 2016
University of Illinois, Urbana-Champaign, IL

EXPERIENCE

Microsoft

Software Engineer - CSE   August 2017-Now
- Built out proof of concepts with clients using Azure Functions, blockchain, chatbots, image processing, general Azure Resource Management
- Need to constantly challenge myself and maintain knowledge of a large breadth of technologies while ramping up quickly on new ones
- Teach technologies directly to clients, answer questions about the technology, and help implement solutions

Software Engineer - OneSync   Summer 2017
- Helped to debug system module for mail synchronization: team shut down soon after joining

Software Engineer - Studios Quality   Fall 2016 - Spring 2017
- Developed automated testing system for Forza Motorsport 7, guided UI tests
- Took on responsibilities to help ensure game would be shipped on time, helped to update studio build system

Software Development Intern - Studios Quality   Summer 2015
- Worked with Performance Guided Optimization on Gears of War: Ultimate Edition
- Created tests for Gears of War: Ultimate Edition, 4

PROJECTS and LEADERSHIP

Projector   Current
Open Source
- Open source project to ease deployment of common backlog items across projects
- Refactored and simplified system design to accommodate dependency injection

TEALS Mentor   Current
Carmen SE, Milwaukee WI
- Helping teach the next generation of computer scientists
- Mentoring 25 students, teaching CMU Intro to CS course

Developer Blog Editor   Current
Microsoft
- Review and edit blog posts showcasing CSE's work with customers
- Ensure posts' technical explanations are clear and that they follow best practices in relevant fields

Engineering Playbook Design Champion   Current
Microsoft
- Lead meetings to ensure good software design
- Drive software design discussions within the organization

Intern Social Coordinator   Summer 2017/18
Microsoft
- Organized a social group for interns, planned events for them
- Acted as a mentor and confidant, worked to solve problems in their internships
- Spoke one-on-one with around 15 interns weekly over the summer to let them talk about their questions and concerns