

Zach Miller

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

TECHNICAL SKILLS

Comfortable: Database Management, Systems Level Programming, Bot Development, Scripting, Functional Programming

Familiar: Machine Learning, Blockchain Development, Network Infrastructure, Reverse Engineering, Driver Development, Containerization, Web Development

EDUCATION

Computer Science, B.S.

May 2016

University of Illinois, Urbana-Champaign, IL

EXPERIENCE

Microsoft

Software Development Engineer - Digital Win Room

Current

- Built out proof of concepts with clients, including blockchain banking solution, multiple bots, and 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 Development Engineer - OneSync

Summer 2017

- Helped to debug system module for mail synchronization: team shut down soon after joining

Software Development 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

University of Illinois

Engineering Learning Assistant

Fall 2015

- Acted as a bridge between high school and college for incoming freshmen
- Teaching 20 student course in how to get the most out of UIUC

CS241 Course Assistant

Spring 2015

- Course Assistant for Operating Systems course which covered memory allocation, resource contention, pipes, malloc, caches, and other topics
- Provided online help and guidance to students on MPs, assignments, and general systems understanding

PROJECTS and LEADERSHIP

Intern Social Coordinator

Summer 2017

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

Advent of Code

Winter 2016/17

- Daily code challenges done in social competition
- Leveraged Python to solve 50 problems using data structures, algorithms, and critical thinking
- Currently working through 2017 problems in Haskell

Reflections Projections Conference Co-Chair

2014 - 2015

Association for Computing Machinery, UIUC

- Organizing and running 2015 R|P conference
- One of the largest student run conferences in the country
- Drew over 1,000 attendees, over 50 companies, and a dozen speakers