

Zach Miller

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

TECHNICAL SKILLS

Comfortable: Python, C#, C, Microsoft SQL Server, MySQL, SQL Server Management Studio

Familiar: Java, C++, CSS, HTML, PHP, Javascript, Haskell

EDUCATION

Computer Science, B.S.

Graduated May 2016

University of Illinois, Urbana-Champaign, IL

EXPERIENCE

Software Development Engineer

Current

Microsoft

- Working with Turn10 on unannounced triple-A title to create developer tools
- Developing tools and writing automation to help studio heads, game developers, and artists work more efficiently

Engineering Learning Assistant

Fall 2015

University of Illinois

- 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

Software Development Engineer Intern

Summer 2015

Microsoft

- Worked with The Coalition to create a tool to optimize compiled code
- Created tests for Gears of War:Ultimate Edition and Gears of War 4

CS241 Course Assistant

Spring 2015

University of Illinois

- 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

Business Intelligence Data Analyst

2014 - 2015

Baxter Credit Union

- Wrote a system to automate balancing of general ledger and data warehouse across multiple systems
- Reduced load time of monthly processes from hours to minutes

LEADERSHIP

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

ACM Corporate Co-Chair

Fall 2015

Association for Computing Machinery, UIUC

- Work with companies to create sponsorship opportunities
- Generate and help direct funds for ACM@UIUC as a whole

Volunteer Chair

Fall 2014

Association for Computing Machinery, UIUC

- Recruiting volunteers, planning for 2014 R|P conference
- In charge of leading and managing more than 100 volunteers over 5 day event

PROJECTS

Advent of Code

December-January 2017

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