Matthew Lee

American-Canadian studying CS @ WWU
Website: fmmmlee.me

Email: fmmmlee@gmail.com
LinkedIn: linkedin.com/in/fmmmlee
Github: @fmmmlee

Education

Undergraduate at Western Washington University
Graduation Date (expected): Fall 2020
GPA: 3.52

Member of:
University Honors Program
Computer Science Honors Program

Experience

Projects:

GW2 Unofficial Add-On Manager

Wrote and currently maintain a .NET C# WPF desktop application with over 3000 downloads for Guild Wars 2 that improves player experience by condensing installation, configuration, and updates for popular add-ons into a single user-friendly process. Created a self-updater to seamlessly install new versions of the application, performed bug fixes and implemented features based on user feedback, and collaborated with other developers in the game's community.

Classfindr

Over several months, designed and wrote a multithreaded web scraper and upload application to obtain 16 years of course information from my university and store it based on user input. The program parses responses from a web API in place for a legacy tool and either uploads the results to a personal NoSQL AWS DynamoDB database or saves them to an embedded SQL database using the H2 DB engine.

Financial API Utility - University Hackathon

Wrote a console-based application that retrieves data from a restful API to display to the user. Learned how to parse JSON files using the org.json and Gson libraries over the course of the 24-hour competition and gained collaborative development experience.

Research:

Exploring properties of PDZ binding domains with Dr. Filip Jagodzinski by performing computational analysis of molecular characteristics of proteins mutated both in silico and in vitro and comparing them with their unmutated counterparts.

CS Coursework:

Algorithm Analysis · Object-Oriented Programming · Computer Systems · Databases · Formal Languages and Functional Programming · Automata and Formal Language Theory (Graduate Course)

Skills:

Familiar Languages: Java, C#, C

Some Experience: Powershell, Bash, C++, SQL, CUDA, OpenCL

Productivity and Tools:

WPF, AWS DynamoDB, Maven, Docker, Linux, GDB, VM Virtualbox, Git