Sam Alcosser

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Experience

IBM   **Poughkeepsie, NY (WFH)**
Software Client Facing Technical Support Intern   May 2021 – Present
- Assisting the level 2 supervisor technical support team by writing REXX execs to increase the efficiency of the team
- Helping develop a full stack react application as part of an agile development team to be used internally by the support staff

Collective Strategies Through Marist College's CCAC Group   **Poughkeepsie, NY**
Research Software Developer   September 2019 – May 2021
- Built a middleware which connects multiple accounting services called MIP Connector to be sold as a product for the accounting company Collective Strategies
- Designed and implemented a filtering system to allow the user to filter data coming from an accounting database's API through the UI
- Structured and built a logging system to allow the users and technicians to have a clearer picture of the state of processes through the UI and emails
- Worked with a team build out a RESTful API based on the Play MVC Framework to allow another software product to connect to our own

Projects & Non-Work Experience

SamOS   September 2021 - Present
Browser Based Operating System
- Writing an operating system based on the browser-based TypeScript operating system TSOS
- Implementing cli features to simulate using a TTY-like terminal
- Building on existing features to add support for reading in 6502-like op codes

Burnout Predictor   April 2021
1st Place IBM/Marist Datathon Project
- Led a team to implement a multiple linear regression model in Python to accurately predict the level of burnout in an employee based on three factors

Workout Tracker   April 2019 - May 2019
Workout Tracker UI Application
- Organized and created a fully featured workout tracker application
- Created UI for application using Java's Swing UI to allow the user to easily input data
- Implemented the Hibernate ORM in order to easily manage data between the MySQL database and the processes of the application

Education

Marist College   **Overall GPA: 3.67**
- 5-Year BS/MS Software Development Program
  - **BS in Computer Science** expected May 2022
  - **MS in Software Development** expected May 2023
  - Minors in **Information Technology**, **Information Systems**, and **Cybersecurity**

Skills

- Java, JavaScript, C++, Python, and SQL,
- HTML/CSS, and Bootstrap 4
- Play MVC Framework (Java)
- Hibernate ORM
- Git

Awards & Accomplishments

- Dean's List
- Captain of competitive rock climbing team