

# Sam Alcosser

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## Experience

### IBM

**Poughkeepsie, NY (WFH)**

May 2021 – Present

*Software Client Facing Technical Support Intern*

- 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**

September 2019 – May 2021

*Research Software Developer*

- 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 full stack solution to allow tenant administrators to configure their data mapping profile to best fit their business needs
- Structured and built a logging system to allow the tenants and technicians to have a clearer picture of the state of processes through the UI and emails by utilizing Play Framework's mail client
- Worked with a team to create both internal and external facing web API endpoints along with the controllers and business logic behind them

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## Projects & Non-Work Experience

### SamOS

September 2021 - Present

*Browser Based Operating System*

- Writing an operating system in Typescript to explore the inner workings of an operating system and the hardware on which it runs
- Learning about concepts such as scheduling, paging, interrupts, and context switches by implementing them in my own operating system

### [GrepY](#)

May 2021

*Regex to NFA and DFA converter written in Java*

- Created a program that can take in a regular expression given as a string, test a set of input strings, and create DOT format files representing the regex in a NFA and a DFA
- Utilized Maven as a build tool and to test for accuracy

### [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 to easily manage data between the MySQL database and the processes of the application

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## 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**

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## Skills

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

## Awards & Accomplishments

- Marist Dean's List
- [Winner of IBM/ Marist Datathon](#)
- Captain of competitive rock climbing team