

# Sam Alcosser

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## Education

### Marist College

Overall GPA: 3.69

- 5-Year BS/MS Software Development Program
    - **BS in Computer Science** expected May 2022
    - MS in Software Development expected May 2023 (part-time)
    - Minors in **Information Technology**, **Information Systems**, and **Cybersecurity**
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## Experience

### IBM

Poughkeepsie, NY (Remote)

#### Software Client Facing Technical Support Intern

May 2021 – December 2021

- 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 that will be used internally by the support staff
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### 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 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
  - Collaborated 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 & Related Experience

### SamOS

September 2021 – December 2021

#### Browser Based Operating System

- Built upon the TSOS (Typescript OS) OS framework by implementing features including file management, multiple CPU scheduling algorithms, interrupts, and running user programs

### Outfox-AI

September 2021 – December 2021

#### Implementing AI Within an Existing Web Application

- Led a development team in the implementation of features such as favoriting resources, user friends, and resource, resource group, and friend recommendations within an existing full stack React application.

### GrepY

May 2021

#### Regex to NFA and DFA converter written in Java

- Created a tool that can turn a regular expression into an NFA (Nondeterministic Finite Automata) and a DFA (Deterministic Finite Automata), and test strings using the generated DFA derived from the regular expression

### Workout Tracker

April 2019 - May 2019

#### Workout Tracker UI 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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## Skills

**Computer Languages:** Java, JavaScript, TypeScript, Python, C++, SQL, and REXX  
**Styling/ Frontend:** HTML/CSS, Bootstrap, and React.js  
**Frameworks and Build Tools:** Play MVC Framework (Java), Maven, and Gradle  
**ORMs:** Hibernate ORM and 4dfliB ORM

## Awards & Accomplishments

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

