

# 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

### Schroth Systems Consulting

East Hampton, CT (Remote)

*Software Engineering Consultant (Part Time)*

February 2022– Present

- Collaborating with various clients building and updating a .NET MVC application and database systems
- Working directly with clients to build extend their custom software products

### IBM

Poughkeepsie, NY (Remote)

*Software Client Facing Technical Support Intern*

May 2021 – December 2021

- Assisted the level 2 supervisor technical support team by writing REXX execs to increase the efficiency of the team
- Helped develop a full stack react application as part of an agile development team that will 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 on Play Framework for Java which connects multiple accounting services called [MIP Connector](#) to be sold as a product for the accounting company Collective Strategies
  - Created 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 accounting business logic behind them
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## Projects & Related Experience

### SamOS

September 2021 – December 2021

*Browser Based Operating System (TypeScript)*

- Built upon the TSOS OS framework by implementing features commonly found in modern operating systems
- Features include file management, multiple CPU scheduling algorithms, interrupts, running user programs, swap files, and multiprocessing

### Outfox-AI

September 2021 – December 2021

*Implementing AI Within an Existing Web Application (React, TypeScript, & Python)*

- Led a development team working on developing an AI component of an existing React application
- Gained experience creating features in react and setting up a Flask API in Python

### Workout Tracker

April 2019 - May 2019

*Workout Tracker UI Application (Java & SQL)*

- Created UI for application using Java's Swing UI to allow the user to easily input data and view workout history
  - 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#, C++, SQL, and REXX  
**Styling/ Frontend:** HTML/CSS, Bootstrap, and React.js  
**Frameworks and Tools:** Play MVC Framework (Java), Maven, Gradle, Postman, Visual Studio, IntelliJ and Git  
**ORMs:** Hibernate ORM and 4dflib ORM

## Awards & Involvement

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

