

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 Build Tools: Play MVC Framework (Java), Maven, and Gradle

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

