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**

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

**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](http://samalcosser.com/MIPC.php) 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

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

Skills Awards & Accomplishments

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| --- | --- |
| **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 | * Marist Dean’s List * [Winner of IBM/ Marist Datathon](https://github.com/salcosser/BurnPredict) * Captain of competitive rock climbing team |