JAIRIK 'JJ' MCCAULEY

Third-year Honors Student Athlete at Salisbury University

✉ jmccauley4@gulls.salisbury.edu in linkedin.com/in/jairik-mccauley ○ github.com/jairik

Education

Salisbury University   **Salisbury, MD**
Bachelors of Science in Computer Science and Data Science, Minor in Mathematics, 3.81 GPA   *Aug. 2022 - May 2026*
- **Selected Coursework:** Advanced Data Structures & Algorithms, Data Visualization, Artificial Intelligence, Systems Software, Object-Oriented Design Patterns & Android Development, Theory of Computation, Linear Algebra, Calculus II, Discrete Mathematics, Statistics with R, Computer Architecture, Fraudsters & Scammers Seminar (Honors)
- **Awards/Honors:** Upsilon Pi Epsilon President (Computer Science Honors Society), Computer Science, Math, & Data Science Club President, Chi Alpha Sigma Inductee (Athletics Honors Society), Clarke Honors Student, 5x Dean's List, 2x CSC Academic All-District Team, NCSM Excellence in Mathematics

Experience

Salisbury University   **Salisbury, MD**
Resident Assistant   *Aug. 2023 - Present*
- Won the Best Community Builder award by actively mentoring and building healthy relationships with nearly 50 residents from various different backgrounds
- Took initiative to plan over 8 programs/events and communicated with coworkers and other staff to ensure residents' safety, adherence to campus policies, and a welcoming building environment
- Frequently handled incidents that required fast decision making and collaboration with coworkers and law enforcement

Computer Science Lab Assistant   *Aug. 2024 - Present*
- Currently aiding third/fourth year students in understanding advanced low-level concepts on the Linux OS, such as Inter-Process Communication (IPC), Signals, Multithreading using POSIX threads, and concurrent programming
- Aided first year computer science students in learning and understanding core concepts such as control structures, arrays, and modular programming, emphasizing software engineering principles such as documentation, debugging, and testing

Discrete Mathematics Student Instructor   *Jan. 2023 - May 2023*
- Facilitated fundamental mathematical knowledge such as Set Theory, Graph Theory, Combinatorics, and Proof Techniques to over 15 students, tailoring plans to student's needs to ensure course success

Martin's Grocery   **Hagerstown, MD**
Front-End Associate   *June 2021 - Aug. 2024*
- Adapted to over 5 roles within the store, effectively collaborating with team members across multiple departments
- Processed transactions, learned various systems, and dependably enhanced customer satisfaction

Personal Projects

Testif.AI - github.com/SpencerPresley/UMBC-2024-Hackathon   **September 2024**
- Recognized as the 'Best Educational Hack' at the 2024 UMBC Hackathon, *Testif.AI* is a full-stack application that leverages advanced AI to generate tests from user provided source material. The front-end was designed using HTML, CSS, and JavaScript, while the back-end utilized Langchain, Python, and OpenAI.

Android Fitness App - github.com/Jairik/MOVE4WELLNESS-Android-App   **May 2024**
- Collaborated with a peer to develop a mock-up fitness app for a client at Salisbury University, with core processes slated for production use. Designed and implemented the login system, GUI, and database using Firebase Database, Android Studio, and Java.

Basic Portfolio Website - github.com/Jairik/Portfolio-Website   **June 2024**
- Developed a simple website with 3d models using HTML, CSS, and JavaScript with the Three.js library and Vue framework.

Technical Skills

Languages: Python, C, C++, Java, R, JavaScript
Developer Tools: Git/Github, Ubuntu/Debian Linux (Terminal, Scripting, File System), Figma, VIM, VSCode, R-Studio, Android Studio, Jupyter Notebook, LaTeX, Wordpress
Technologies/Frameworks: Firebase, Firestore, ScikitLearn, PyQT5, OpenAI API, FastAPI