

Alex Reed McCord

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4020 Coosa Street
Cedar Bluff, AL 35959

Statement of Intent

Computer Science student with experience in full-stack development, data analysis, and cybersecurity. Skilled in Java, Python, React, SQL, and Linux systems. Seeking opportunities to build scalable software, contribute to secure infrastructure, and grow in an engineering-focused environment.

Education

Auburn University, Auburn, AL
B.S. in Computer Science, Focuses: Software Development, Data Analysis

August 2023 - May 2026
GPA: 3.4

Relevant coursework:

Data Structures, Database Management, Software Construction, Assembly Language, Discrete Structures, Operating Systems, Fundamentals of Computing, Computer Ethics, Algorithms I & II, Software Modeling, Digital Logic Circuits, Mobile Applications, Computer Networking, Web Development, Python, Game Design, Java

Skills

Technical: Python, Java, JavaScript, React, C++, Kernels, GitHub, Git, Microsoft Suite, Access, SQL, HTML, CSS, REST APIs, Pandas, NumPy, Scrum, Object-Oriented Programming, JavaFX, UML, UDP & TCP Servers, Artificial Intelligence, Coding, Gitlab, Hardware / Software Debugging, Linux, DNS, IP, CI/CD pipelines, Unit testing / JUnit, AWS & Azure DevOps

Soft: Leadership, Critical Thinking, Public Speaking, Communication, Problem-solving, Attention to Detail, Adaptability, Time Management, Collaboration, Organization, Multitasking, Fast Learner, Positive Attitude, Positive Mindset, Self-Sufficient

Experience / Projects

<https://github.com/AlexMcCord2004>

Personal Portfolio Website (React, Next.js, Tailwind CSS, Git/Github) - Designed and developed a fully responsive personal portfolio website to showcase software projects, technical skills, and professional experience. Built with modern web technologies and optimized for performance, accessibility, and scalable deployment. Deployed the site using Vercel, ensuring fast page loads and reliable global distribution through CDN optimization.

- Built a responsive, modern portfolio website using Next.js, React, and Tailwind CSS to showcase projects and technical experience.
- Implemented clean UI/UX principles, including mobile-first layout, smooth transitions, and accessibility-focused design choices.
- Designed a dynamic project section with reusable React components and GitHub-linked project cards to improve navigation and engagement.
- Managed images, routing, and asset organization through the Next.js file system and public directory structure.

Airport Scheduler Application (Java, Java FX, Git/Github)- Developed a JavaFX-based flight scheduling application to streamline the process of adding, viewing, and managing flights. Built using Java, FXML, and SceneBuilder, the tool applied MVC architecture and property bindings to create a responsive and user-friendly interface. The project demonstrated practical skills in UI design, data modeling, and software architecture.

- Built a GUI-based flight scheduling tool in JavaFX to streamline the management of flight data.
 - Implemented data models and Java bindings to ensure real-time updates and input validation.
 - Demonstrated effective use of software construction techniques, aligning with industry standards.
 - Used FXML and SceneBuilder to create an intuitive interface, reducing user error and improving clarity.
 - Applied object-oriented principles and MVC architecture to maintain clean, modular code.
 - The application simulates real-world scheduling logic, enhancing understanding of system design and user interaction.
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Leadership, Involvement & Scholarships

VEX V5 / U Robotics Club
Member, Former Team Captain

Auburn & Centre, AL
Sept 2019 – May 2022

- Designed, built, and programmed robots for regional and world competitions.
- Led high school team to national and global events; mentored new members.
- Gained hands-on experience in hardware integration and autonomous systems

Scholarships:

- All Auburn Leadership Scholarship
- Auburn University Board of Trustees Endowed Scholarship
- Ever to Conquer Scholarship for First-Year Students