

Austin Brock

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EDUCATION

The University of Georgia

August 2020 –June 2024

- **Degree:** Bachelor of Science: Computer Science
- **Relevant Coursework:** Systems Programming, Data Structures, Software Engineering, Algorithms, Web Programming, Database Management, Computer Networks, Computer Architecture and Organization

PROFESSIONAL EXPERIENCE

Exchange, Atlanta, Ga

January 2023– August 2023

Full Stack Developer Intern

- Developed and maintained mobile applications for both IOS and Android platforms utilizing React Native, ensuring a consistent user experience across devices.
- Collaborated with cross-functional teams using modern UI/UX principles to design, develop, and maintain Exchange's mobile applications, ensuring a user-friendly experience.
- Architected and integrated sophisticated user authentication services, bolstering application security and user trust by implementing advanced security protocols and user data protection measures.
- Maintained version control with Git, streamlining code management and enhancing team collaboration through efficient tracking of code changes and project evolution.
- Actively contributed to software architecture design meetings, providing valuable insights and innovative solutions that influenced the architectural decisions, ensuring scalability, maintainability, and performance of Exchange's software solutions.

Macy's, Johns Creek, GA

May 2022 – August 2022

Software Engineer Intern

- Played a pivotal role in a diverse, international team of 9, driving the development and continuous enhancement of a User Interface web application through expert applications of JavaScript, TypeScript, and React.
- Engaged in detailed code reviews with both supervisors and peers fostering a culture of excellence in code quality and functionality.
- Spearheaded optimization initiatives that dramatically reduced future developer hours by an unprecedented 500%, showcasing exceptional proficiency in code efficiency and resource management.
- Enhanced interdepartmental collaboration by working closely with various teams, significantly improving the efficiency of API calls and fostering a more integrated development environment.
- Acquired and applied expertise in Agile and Scrum methodologies, contributing to the team's ability to adapt to changing requirements and expedite product delivery.
- Effectively demonstrated the ability to communicate complex technical concepts to executive-level management through compelling stories and presentations, demonstrating exceptional communication skills and strategic insight.

University Of Georgia, Athens, GA

August 2021 – March 2022

IOS App Developer Intern

- Spearheaded the development of an innovative iOS mobile application leveraging Swift and Firebase, focusing on creating a robust, user-centric design. Worked with a team to design and implement new features and user experiences.
- Collaborated closely with a dynamic team to brainstorm, design, and roll out key features and enhancements, significantly enriching user experiences and interface aesthetics. Met 100% of story deadlines.
- Achieved a remarkable track record of meeting 100% of project story deadlines, exemplifying strong time management and prioritization skills.
- Drove user engagement and satisfaction by iteratively refining the application, incorporating user feedback, and conducting thorough usability testing to identify and address user needs effectively.

Projects

Cinema E Booking system (University group project)

- Collaborated with 4 other students on a full stack development project.
- Implemented user authentication, shopping cart functionality, and an integrated payment gateway.
- Developed multiple stories using the S.O.L.I.D principles of software engineering.
- Gained experience with Model-View-Controller architecture Integration using Java.
- Assisted in the Integration of a NoSQL database for user data storage.

Machine Learning flight delay predictor

- Collected historical flight data, including departure and arrival times, flight dates, airlines, weather conditions, and any other relevant factors that might influence flight delays.
- Conduct exploratory data analysis (EDA) to understand patterns, correlations,
- Experimenting with best ML model sets such as models like Random Forest, Gradient Boosting, and Deep Neural Networks

Web server

- Simple, multi-threaded web server in Java, capable of handling multiple simultaneous HTTP GET requests, serving files from its current directory, and responding with appropriate status codes and content types based on the request and the existence of requested files.

Technical Skills

Python | Java | Swift | C++ | JavaScript | Typescript | HTML | CSS | Bootstrap | jQuery | React | | Linux | SQL | Git | Node | Express | MongoDB | Machine Learning | C# | .NET | CI/CD | MATLAB