Austin Mitchell

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Candidate for Bachelor and Master of Computer Science   *Expected May 2025*
- GPA: 3.79/4.00
- Relevant coursework: Machine Learning, Object Oriented Programming, Design and Analysis of Algorithms, Linear Algebra, Multivariable Calculus, Data Structures and Algorithms, Discrete Mathematics, Systems and Networks

SKILLS

Programming: Java, Python, C, JavaScript(React, Redux, Node.js, Next.js), C#, SQL(PostgreSQL), HTML, CSS
Infrastructure: AWS, Terraform, Linux, Docker, CI/CD,
Certifications: Microsoft Technology Associate
Interests: Weightlifting, Nutritional Health, Financial Literacy, Traveling, Hiking

WORK EXPERIENCE

Splunk   San Jose, CA
Backend Software Engineer Intern   *May 2023 - July 2023*
- Developed upon a pre-existing application within the Splunk platform to improve a data ingestion and analysis service that categorized logged information into "episodes"; the service currently has made improvements to the previous application by 800%.
- Engineered an infrastructure utilizing the Apache Flink and AWS services to create a fault tolerant application by periodically taking snapshots of a data streaming processor, allowing users to save several days of time in the event of data loss.

QwickRate   Marietta, GA (Remote)
Software Engineer Intern   *August 2022 - April 2023*
- Developed full-stack web applications utilizing a Node.js and React framework to allow for our customers to create KPIs to aid in the management of loans and facilitate the loan review process to be utilized by medium-sized banks.
- Used GraphQL to create API queries to create modular graphics enabling informed decision-making for industry professionals.

Ultimate Kronos Group (UKG)   Atlanta, GA
Full-stack Software Engineer Intern   *January 2022 - August 2022*
- Designed full-stack web applications utilizing a .NET and jQuery framework and continuously iterated on products to create custom solutions to fit clients' needs for generating and signing various tax and legal documents to facilitate HR processes.
- Wrote and modified SQL stored procedures to alleviate some of the complexity on the database and decrease the processing time.
- Performed root-cause analysis on recurring issues and redefined stored procedures to enable better utilization of monitoring software such as Grafana to allow developers to more easily trace sources of potential issues and decrease the downtime for clients.

PROJECTS

RushKit   Atlanta, GA
Recruitment Web Application   *July 2022 - December 2022*
- Determined communication as a major issue in various campus organizations' recruitment processes and surveyed stake-holders.
- Designed and deployed a full-stack application using React.js to assist organizations in the recruitment of new members by providing a platform for feedback and communication for those within the organization and the potential new members.

Alzheimer's Disease Detection Project   Atlanta, GA
Machine Learning Models   *August 2023 - December 2023*
- Spearheaded the creation, training, and testing of Machine Learning models with 2 team members to provide a diagnosis of Alzheimer's Disease based on a patient's MRI image. The models performed image categorization to determine the severity.
- Analyzed the above models utilizing stastical analysis techniques to find that the the Support Vector Model and the Convulutional Neural Network perform the best with a consistent score of 97% accuracy and recall score which exceeded our expectations.

ORGANIZATIONS

Bits of Good   Atlanta, GA
Developer   *January 2023 - Present*
- Orchestrated with other developers the development and deployment of web applications for non-profits with the primary goal of both increasing their overall efficiency and improving their outreach programs.
- Collaborated with non-profits and developers to create a generalized volunteer management system, a highly-requested tool that improves the administrative workflow by over 50% by providing methods of organizing volunteers and centralizing information.

Delta Chi Fraternity   Atlanta, GA
Treasurer, Technology Chair   *August 2021 - Present*

- Monitored a $750,000+ budget for a non-profit organization and performed accounting tasks such as taxes and invoice management. Worked collaboratively with other Executive Members to improve the well-being of members, their family, and friends.
- Spearheaded finance automation within the organization create invoices and precise budgets, saving over 12 hours of clerical work.