

# Austin Mitchell

912-580-2350 • austin.bmitchell15@gmail.com • linkedin.com/in/austin-mitchell-00aa521b9/ • github.com/austin-bmitchell15

## EDUCATION

### Georgia Institute of Technology

*Master of Science in Computer Science*

Atlanta, GA

*Expected May 2025*

- Relevant coursework: Deep Learning, Machine Learning, Game AI
- Worked as Graduate Research Assistant at Georgia Tech Research Institute

### Georgia Institute of Technology

*Bachelor of Science in Computer Science (Highest Honors)*

Atlanta, GA

*May 2024*

- Relevant coursework: ML, Design and Analysis of Algorithms, Data Structures and Algorithms, Systems and Networks

## SKILLS

**Programming:** Java, Python, C, JavaScript, C#, SQL (PostgreSQL), C++, MongoDB

**Cloud and Infrastructure:** AWS, Terraform, Linux, Docker, GitLab CI/CD

**Web Development:** HTML, CSS, React, Node.js, Next.js, GraphQL, jQuery

**Artificial Intelligence:** Neural Networks, GPTs, GANs, Diffusion Models, Reinforcement Learning

**Interests:** Weightlifting, Nutritional Health, Financial Literacy, Traveling, Hiking

## WORK EXPERIENCE

### Splunk

*Backend Software Engineer Intern*

San Jose, CA

*May 2023–July 2023*

- Developed with a team to create an improved implementation of a Splunk-based application for data ingestion and analysis of logged information, achieving an 800% performance improvement in categorizing this information into macroscale “episodes”.
- 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

*Software Engineer Intern*

Marietta, GA (Remote)

*August 2022–April 2023*

- Developed full-stack web applications utilizing a React, GraphQL, and PostgreSQL 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)

*Full-stack Software Engineer Intern*

Atlanta, GA

*January 2022–August 2022*

- 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

### Alzheimer’s Disease Detection Project

*Machine Learning Models (Team of 3)*

Atlanta, GA

*August 2023–December 2023*

- Spearheaded the training of 3 Machine Learning models to provide a diagnosis of Alzheimer’s Disease based on a patient’s MRI image. The models performed image categorization to determine the severity of Alzheimer’s using a dataset of ~6,400 images.
- Developed Support Vector Model and Convolutional Neural Network models, achieving accuracy scores of approximately 98.2% and 97.2% accuracy score, respectively.

### RushKit

*Recruitment Web Application (Individual)*

Atlanta, GA

*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.

## ORGANIZATIONS

### Delta Chi Fraternity

*Treasurer, Technology Chair*

Atlanta, GA

*August 2021–Present*

- Monitored a \$750,000+ budget for a non-profit organization and performed accounting tasks such as taxes and invoice management.

### Bits of Good

*Developer*

Atlanta, GA

*January 2023–May 2024*

- 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.