Andrew Samountry

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EDUCATION

Georgia Institute of Technology — Atlanta, GA
Master of Computer Science, Machine Learning — *Aug. 2025 – Present*

Simpson College — Indianola, IA
Bachelor of Arts in Computer Science — *Aug. 2021 – May. 2025*
Relevant Coursework: Data Structure & OOP, Algorithms, Database Systems, Artificial Intelligence, Software Engineering, Data Modeling in R
Scholarship and Awards: President's List: Fall 2024, Dean's List: Spring 2025, Pi Kappa Delta National Champion 2022/2023, George Washington Carver Scholar

EXPERIENCE

Software Engineer Intern — May. 2025 – Aug. 2025
Merchants Bonding Company — *West Des Moines, IA*
- Created a comprehensive internal automation system that reduced manual classification errors by **90%** and enhanced transparency for **100+** agents and employees across legacy underwriting workflows
- Developed an intelligent background job processing system that boosted on-time payments by **60%**, eliminating manual follow-up efforts and saving the company **$50,000+** annually in administrative costs
- Developed a new agency on-boarding workflow, decreasing new agency registration time from multiple weeks to days, enabling **80%** faster business growth and improved operational efficiency

Software Engineer Intern — Jun. 2024 – Sep. 2024
Dance4Healing — *Sunnyvale, CA*
- Engineered and tested web application, delivering personalized dance routines for over **1,000** cancer patients, enabling real-time group participation, fostering collaboration with **Stanford Healthcare**
- Explored and began incorporating **Natural Language Processing** to generate accurate, real-time captions during live sessions, improving accessibility for users
- Utilized JavaScript/React to create interactive and user-friendly interfaces, improving the overall performance and engagement of the application

IT Support Specialist — Aug. 2021 – May. 2025
Simpson College — *Indianola, IA*
- Provided IT software and hardware support to over **500** students and faculty across campus
- Managed team of **3** to ensure timely resolution of IT tickets, regularly conducting team meetings to discuss priorities and challenges to maximize efficiency and productivity
- Worked on tickets using Simpson's ticketing system to effectively provide documentation, while also taking advantage of knowledge-based articles to supplement troubleshooting and research

PROJECTS

Thunder Thrift | *Django, ReactJS, Tailwind, PostgreSQL, AWS, Azure AD* — Jan. 2025 – May. 2025
- Developed a full-stack campus marketplace to enable Simpson students to buy, sell, and trade items, reducing waste and promoting sustainable consumption
- Implemented secure student authentication with **Azure Active Directory (SSO)** and deployed scalable infrastructure on **AWS (S3 and EC2)** to ensure high availability and data security
- Created a responsive and intuitive design and integrated real-time communication using **Django Channels**, supporting early adoption by **200+** students

Vet-U | *Python, Roboflow, OpenAPI* — Feb. 2024
- Placed **2nd** overall and won 1 of 4 categories at BuildDSM V1 Hackathon out of **30+ teams** (200 participants)
- Trained advanced computer vision model on **2,000+** pet images using Roboflow, achieving **92%** accuracy in health condition assessment
- Applied Python's Tkinter library to develop a simple mobile interface

TECHNICAL SKILLS

Languages: Python, Java, Ruby, SQL, JavaScript, HTML/CSS, R
Frameworks and Libraries: Rails, Django, Spring, ReactJS, PyTorch, Scikit-learn