Andrew Samountry

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Master of Computer Science, Artificial Intelligence   *Aug. 2025 – Present*
- **Relevant Coursework:** Human-Computer Interaction, Graduate Operating Systems

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   Aug. 2025 - Present
Merchants Bonding Company   *West Des Moines, IA*
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 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

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, C/C++, TypeScript, JavaScript
Frameworks and Libraries: Rails, Django, Flask, Spring, ReactJS, Next.JS, PyTorch, Scikit-learn
Technologies: AWS, Git, SQL, NoSQL, REST APIs
Engineering Practices: CI/CD, Version Control, Unit/Integration Testing, Agile Methodologies