ANDREW FITTON

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing   **Atlanta, GA**
Master of Science in Computer Science (Interactive Intelligence)   January 2025 – May 2026
- GPA: **4.0**
- Pursuing a part-time online Master's degree with flexibility for a full-time role

Bachelor of Science in Computer Science (Info Internetworks and Intelligence)   August 2020 - May 2024
- GPA: **3.75**

SKILLS

Languages: Python, JavaScript, Swift, Java, HTML, CSS, TypeScript, SQL, C/C++, Go, Rust, MATLAB
Tools: Git, Docker, Databricks, Jira, JUnit, Tableau, PowerShell, Tensorflow, Numpy, React, Angular, Vue.js, Bootstrap, OpenCV, Webpack, Firebase, Linux, Apache AirFlow, AWS Storage, Kubernetes, RabbitMQ
Course Knowledge: Data Structures and Algorithms, Object Oriented Programming, Test-Driven Development, Agile Development, Databases, Computer Organization and Programming, Linear Algebra, Computer Networks, Artificial Intelligence, Machine Learning

EXPERIENCE

MANHATTAN ASSOCIATES   **Atlanta, GA**
Software Integration Consultant   June 2024 - Present
- Drive integration projects with Manhattan clients by facilitating design discussions and engineering scalable data pipelines, generating over $300K in annual billable revenue through timely project completion and technical expertise
- Implemented 25+ custom flows using Java and XSLT to transform diverse data formats (XML, JSON, CSV, flat files) into JSON, enabling the successful deployment of Manhattan supply chain management solutions across 5+ clients
- Developed Python scripts to automate the generation of test cases and sample data for integration workflows, reducing testing time by over 50%
- Configured 50+ Java routing services to optimize the exchange of millions of data files between Manhattan APIs and client endpoints, including databases, SFTP ports, and REST APIs
- Streamlined Oracle database operations by writing SQL scripts to query and update configurations on messages, cross-references, and Google Cloud endpoints, reducing manual errors by 20% and cutting configuration time by 30%

NIKE   **Beaverton, OR**
Software Engineer Intern   June 2023 - August 2023
- Engineered and scheduled PySpark scripts in Databricks to clean 3,000+ daily data entries from deletion workflows on expiring Nike online accounts, establishing a centralized tracking table for improved data visibility
- Integrated Delta tables from an Amazon S3 data lake into a custom Tableau dashboard, delivering actionable insights into Nike's data costs and compliance with data governance policies over time
- Designed and built a dashboard that streamlines the process for data governance engineers to analyze the performance of scheduled Airflow DAGs, reducing the search time to identify failed DAGs by over 50%
- Collaborated daily in an Agile team of seven data engineers to evaluate project changes and prioritize tickets in biweekly Jira sprints

PROJECTS

Premier League Match Predictor   *Flask, Pandas, scikit-learn, Jupyter, React, PostgreSQL*
- Scraped and processed match statistics from over 7,000 Premier League games spanning 20 seasons, engineering key features to train machine learning models on match outcomes
- Trained and evaluated four ML models, achieving a match prediction accuracy of 58% with a Logistic Regression model
- Developed and deployed an interactive web application using React and Flask, allowing users to input matchups and receive model predictions with result probabilities in real-time
- Leveraged PostgreSQL for efficient data storage and retrieval, enabling rapid feature generation to run the model on user inputs

Peace for Moms Mobile Application   *JavaScript, React Native, Figma, HTML/CSS, Firebase*
- Developed a mobile application with an Agile team of six developers for Peace for Moms, an organization that assists nurses and front line doctors in Georgia to diagnose and support mothers facing postpartum depression
- Implemented six diagnostic algorithms for postpartum depression, enabling healthcare providers to input patient symptoms and receive suggested diagnoses with next-step treatment recommendations
- Integrated Google Firestore with the React Native client to manage user profiles and data for 3,000+ potential users

LEADERSHIP

CHAPTER PRESIDENT   **Atlanta, GA**
Sigma Phi Epsilon – Georgia Alpha Chapter   November 2022 – November 2023
- Spearheaded a new pipeline project involving the executive board to reduce past due invoices by $30,000+, improve chapter GPA by 0.5 points to above campus average, and establish new alumni events to elevate chapter standing as a whole
- Collaborated across a six member alumni board, eight member executive board, and a 100+ member chapter to set and achieve collective goals across our organization, winning a 2023 Buchanan Cup for being an outstanding chapter