

ANDREW FITTON

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing

Atlanta, GA

Bachelor of Science in Computer Science (Concentration in Info Internetworks and Intelligence)

August 2020 - May 2024

GPA: 3.75

EXPERIENCE

MANHATTAN ASSOCIATES

Atlanta, GA

Software Integration Consultant

June 2024 - Present

- Partner with Manhattan clients to integrate their existing systems with Manhattan's supply chain management services by leading design discussions and engineering data pipelines between client endpoints and Manhattan software
- Implemented 20+ custom flows with Java and XSLT to convert various client data formats (XML, JSON, CSV, flat files) into JSON, enabling seamless integration with Manhattan supply chain management solutions
- Developed Python scripts to automate the generation of test cases and sample data for integration workflows, resulting in a 50% reduction in testing time
- Configured 50+ Java routers to facilitate seamless data exchange between Manhattan APIs and client endpoints, including databases, SFTP ports, and REST APIs
- Wrote SQL scripts to query and update configurations on routers, cross-references, and Google Pub/Sub endpoints according to client specifications, reducing the need for manual configuration

NIKE

Beaverton, OR

Software Engineer Intern

June 2023 - August 2023

- Engineered and scheduled PySpark scripts in Databricks to clean 3,000+ data entries from daily delete jobs on user data for expiring Nike online accounts
- Integrated Delta tables from an Amazon S3 data lake with a Tableau dashboard to present statistical insights into Nike's data costs and compliance with data governance policies over time
- Designed a dashboard that optimizes the process for data governance engineers to analyze the performance of scheduled Airflow DAGs on a daily basis, reducing the search time to identify failed DAGs by over 70%
- Collaborated in an Agile team of seven data engineers daily to evaluate project changes and update tickets for biweekly Jira sprints

GEORGIA TECH RESEARCH INSTITUTE

Atlanta, GA

Secure Computing Engineer Co-Op

May 2022 - August 2022

- Maintained 48 Linux virtual machines to carry out software testing and replicate a secure cluster of classified servers
- Evaluated the security of Jira tickets prior to system implementation through source code reviews and testing on virtual machines

PROJECTS

Premier League Match Predictor

- Scraped and transformed match data from over 7,000 Premier League games across 20 seasons, engineering valuable features in order to train a machine learning model on the data
- Developed and compared the performance four machine learning models on match data, achieving a prediction accuracy of 58% with the Logistic Regression model
- Created an interactive web application using React that enables users to input upcoming matchups, and integrates a Flask backend to run my Regression model and deliver predictions along with result probabilities
- Leveraged PostgreSQL for efficient data storage and retrieval, enabling rapid feature generation to run the model on user inputs

Peace for Moms Mobile Application

- 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 mothers facing postpartum depression
- Connected Google Firestore with the React Native client to manage user data and profile functionality for 2,000+ 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 strengthen chapter status 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
- Directed the recruitment of 36 new members and facilitated the selection process for a \$2,500 scholarship with over 100 applicants

SKILLS

Languages: Python, JavaScript, Swift, Java, HTML, CSS, TypeScript, SQL, PySpark, C, Go, MATLAB

Tools: Git, Docker, Databricks, Jira, JUnit, Tableau, PowerShell, React, Node.js, Vue.js, Bootstrap, OpenCV, Webpack, Firebase, Linux, Jupyter Notebook, Apache AirFlow, AWS, Kubernetes, Confluence, RabbitMQ, GNU Debugger