**Daterson Science**

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**EDUCATION**

**Georgia Institute of Technology***,* Atlanta, Georgia May 2025

*Bachelor of Science in Computer Science; Double Major: Economics* GPA: 3.7/4.0

**Relevant Coursework:** Data Structures & Algorithms, Discrete Structures, Data Science Computing, Artificial

Intelligence, Machine Learning, Analysis of Algorithms, Computational Linguistics, Systems Programming,

Data & Decision Analytics, Probability and Statistics, Linear Algebra, COVID 19 & the Economy, Game Theory

**PROGRAMMING SKILLS**

Proficient in ***Java, Python, SQL, Microsoft Office, Google Suite*; Familiar with *R, Angular, JavaScript, React, AWS, ARM, C***

**EXPERIENCE**

***Software Engineer Intern at The Green Agency****,* Remote Jun 2024 – Aug 2024

* Acquired skillset to build an AI chatbot that uses NLP techniques and deep learning to informedly and qualitatively converse about carbon footprint statistics and information on a carbon footprint website.
* Reconfigured the entire front-end of a carbon footprint website in Angular to use NgRx for reactive state management which ensured the state is predictably stored and resulted in improved security and serializability.
* Collaborated with ten developers in using Java, Angular, and Spring to design and program an auction web app.

***Analyst intern at Grants Analytics****,* Remote Jan 2023 – Aug 2023

* Conducted grant sourcing based on criteria and developed a database of over 75 potential grants to pursue.
* Managed financials by creating and implementing a funding plan by contacting over 50 different firms and funds.
* Sourced and processed large volumes of data to understand trends, data quality issues, and outliers in patient data.
* Developed a Web UI and MySQL database to be able to create data tables and upload data extracts into those tables.
* Identified tables in SSOT where the treatment plan is stored in any given patient.
* Identified relevant data-mining parameters and created scripts that extract data from the identified tables.
* Implemented the Agile Scrum process to improve product quality, time to market, and team member satisfaction.

***Strategy and Product Management Intern at Wayfair****,* New York, NY Jul 2022 – Dec 2022

* Generated leads and closed over 10 deals by identifying potential clientele and taking them through the salesfunnel.
* Created and performed quality assurance tests for the client-facing side of the application and documented all test cases and quality processes which improved testing by 75%.
* Performed market mapping and landscape analysis on the restaurant and hotel technology industries to profile over 150 competitors and pain points in both industries that allowed the company to develop an effective strategy plan.

***Data Analyst Intern at Pathways Mortgage****,* New York, NY Apr 2021 – Jul 2021

* Prepared financial models to perform cash flow analysis, property valuation, and return calculations through creating and maintaining Microsoft Excel models.
* Developed a marketing and advertising sales campaign through market research and statistical analysis that resulted in an increase in clientele by 50+ customers.
* Researched and analyzed relevant market data, including demographics, rent and sale comps, competitor positioning, economic forecasts, and other market research reports.

**PROGRAMMING PROJECTS**

**Computational Linguistics Final Project** Apr 2024

* Built a knowledge graph, which acts as a language representation model that allows users to visualize connections between foods, from embeddings of a cleaned recipe dataset with the use of SBERT and BERT.
* Created a custom pre-trained BERT model to compare with SBERT and BERT called GorBERT, which provided us with a better model to analyze our clean recipe data due to it being trained on a structured format of our clean recipe data.

**Pacman AI Project** Jan 2023

* Used the A\* search algorithm with heuristics to develop an optimal path for Pacman to eat all food dots on the grid and reach all corners on the grid.

**COMMUNITY ENGAGEMENT AND LEADERSHIP EXPERIENCE**

***Outreach Coordinator of Camp Taylor, East Atlanta****,* Georgia Tech Jun 2019 – Present

* Plan, manage, and coordinate all fundraising activities held on and off campus to raise over $50,000.

***Programming Coordinator for GT E-Sports****,* Georgia Tech Aug 2022 – Dec 2023

* Coordinated e-sport competitions and demonstrations to garner interest in the development of e-sports.

***RoboJackets***, Georgia Tech Jun 2021 – May 2023

* Managed the distribution of the club’s annual activity budget of over $20,000 to competitions and demonstrations.
* Restructured the club’s Constitution and Monetary Code to successfully ensure expenses remain within budget.

**ADDITIONAL SKILLS AND INTERESTS**

**Languages:** Working proficiency in *Spanish & French*; Basic proficiency in *Latin* **Fine Arts:** Writing **Interests:** Fantasy Football, Soccer, Tennis, Traveling, R&B, Options, and Movies **Chess:** USCF Rating of 1500