

Alexander Henry Donald

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EDUCATION

Davidson College

Davidson, NC

Bachelor of Science, Computer Science, Minor in Data Science

May 2023

- GPA: 3.89 (Magna Cum Laude)
- Relevant Coursework: Machine Learning, Machine Reasoning, Deep Learning Specialization (Coursera), Data Science and Society, Analysis of Algorithms, Data Structures, Database Systems, Statistics, Linear Algebra, Blockchains, and Computer Organization

Davidson College NCAA Division I Football Team

Davidson, NC

Scholar Athlete

May 2020 – November 2022

- Earned starting position and 1st Team All-Academic after walking on sophomore year by dedicating 25+ hours per week to football activities, including weightlifting, film, practice, travel, and games

SKILLS

- Proficient in Python, R, React.js, React Native, Java, MySQL, Power BI, HTML, and CSS
- Intermediate in JavaScript, Node.js, Express.js, Tableau, PHP, and Google Cloud Platform

WORK EXPERIENCE

Fit Builder

Davidson, NC

Co-Founder

Feb 2023 – May 2023

- Streamlined online shopping by enabling users to generate full outfits in seconds with specific brand and product links based on input criteria, such as occasion, budget, and style preferences
- Utilized cutting-edge AI technology to target 25 million Gen Z online shoppers and address a \$4.8 billion annual market opportunity
- 1 of 8 finalists in the Nisbet Venture Fund competition at Davidson College

Tryon Direct

Charlotte, NC

Data Scientist

June 2022 – August 2022

- Queried large Snowflake databases using MySQL to access medical records data
- Developed 3 production-ready Tableau analytics dashboards with key metrics in collaboration with business leaders
- Designed and optimized a logistic regression ML model on very imbalanced data, achieving an ROC AUC score of .91, to accurately predict appointment no-shows based on slot and patient data

Pro Skills Basketball Data Science Intern

Davidson, NC

Data Scientist

January 2021 – December 2021

- Spearheaded the creation of a Power BI dashboard, presenting key performance metrics for organization leaders and supporting expansion into 11 new cities
- Automated data extraction from APIs using Python scripts on Google Cloud Platform, streamlined data cleaning, and integrated with Power BI's automatic report refresh feature
- Fostered clear communication with company leaders, engaging in a feedback cycle to ensure the delivery of a valuable daily report

Personal Projects

Bot-Tender

Charlotte, NC

AI Bartender Web Application

May 2023 – Present

- Developed a React.js web application using the GPT large language model and other AI technology to offer unlimited cocktail recommendations based on user prompts
- Rapidly iterated on functionality and UI through user feedback, achieving public deployment and acquiring 50 active users within 2 weeks
- Managed a Firebase NoSQL database to store user information, prompt data, and trending drinks

NCAA March Madness Prediction Model

Davidson, NC

Machine Learning

Mar 2022 – Apr 2022

- Created a k-nearest neighbors algorithm-based model to classify tournament teams as "x-round" caliber teams to predict bracket
- Fine-tuned model hyperparameters using cross-validation, resulting in a 96th percentile score in the 2022 ESPN bracket challenge

Fantasy Baseball Team Builder

Davidson, NC

Machine Reasoning

Nov 2021 – Dec 2021

- Utilized genetic algorithms to evolve the optimal fantasy baseball lineup for the 2021 MLB season
- Delivered a high-performance lineup within 2.5% of the budget constraint, demonstrating a strong balance of talent and value