Darby Cobb

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Education

Georgia Institute of Technology	Winter 2021
Master of Science – Analytics (Computational Track)	**GPA**: 4.0

Relevant Coursework: Deep Learning, Computer Vision, Data & Visual Analytics

University of Oklahoma	Spring 2020
Bachelor of Science – Computer Science, Summa Cum Laude	**GPA**: 4.0

Studied Abroad at Oxford University, UK and in Arezzo, Italy

Relevant Coursework: Text Analytics, Database Management Systems

Experience

Data Product Manager – *Anheuser-Busch InBev, Z-Tech & BEES* — Feb. 2022 - Current

- Leading cross-functional, multi-national team through the ideation, development, piloting, and deployment of FinTech products to sustainably grow credit offerings in 8 countries in LATAM & Brazil
- Created development roadmaps aligned with stakeholder needs and currently driving execution for 5 data science products
- Identified business need for scalable machine learning model backtesting framework; created wireframe & drove execution for PowerBI dashboard now used for models in 4 countries
- Facilitating Scrum ceremonies, removing internal barriers, and prioritizing tasks for team of 15 while implementing Agile best practices

Product Manager Intern – *Anheuser-Busch InBev, Beer Garage* — Summer 2021

- Managed and collaborated with data scientists and business leaders to develop machine learning tool for inventory level prediction – product received funding and continues development
- Performed data analysis to define areas of improvement in data management and determine feasible machine learning approaches
- Achieved up to 82% accuracy on stock-out prediction for a 2-day horizon

Software Development Intern – *NASA Jet Propulsion Laboratory (JPL)* — Summer 2020

- Implemented shadows in graphics for physics/space simulations used for Mars 2020, Europa Clipper, and more (JavaScript: three.js, Python, C++)

Software Engineering Intern – *Garmin International* — Summer 2019

- Added low-level functionality to existing automotive framework and Linux kernel, now used in Mercedes vehicle (lua, C, C++)

Technical Projects

Satirical Fake News Detection

- Created a dataset for satirical fake news detection by augmenting a fake news dataset with news scraped from satirical websites.
- Classified news as fake, real, or satirical using convolutional network (FNDNet) and transformers such as DistilBERT (Python: PyTorch, BeautifulSoup)

Dental Healthcare Shortage Visualization Portal

- Created a Flask web application to visualize areas with dental healthcare shortages particularly for children (HTML/CSS, Python, Javascript: d3.js)

Skills

Proficient: Agile Methodologies (Scrum / Kanban), Python (PyTorch, NumPy, pandas, sklearn), R, SQL

Familiar: JavaScript, C, C++, Tableau, Docker, Spark, AWS

Activities and Certifications

Executive Teaching Assistant – TA for CSE 6040, Computing for Data Analysis at Georgia Institute of Technology

Current Courses – Udacity: Introduction to A/B Testing, Duolingo: Spanish