

Blake Whitman

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EDUCATION

The Ohio State University

B.S. in Computer Science, B.A. in Mathematics

GPA: 3.89/4.0

Columbus, OH

Aug. 2019 – May 2023

EXPERIENCE

Coinbase

Aug. 2022 – Dec. 2022

Software Engineer Intern

- Iterated upon Price Alerts Targeting V3, a targeting model that influences \$1.8 billion in trades annually by ordering change-in-price notifications and sending them to Coinbase users based on their respective activity thresholds
- Tested and integrated a system that designates users with higher engagement to receive price alerts for a personalized number of assets
- Increased app user engagement by 9% when backtested against pre-existing models, including between 8.5% and 9.5% SWI on traders using the Coinbase mobile app

JPMorgan Chase & Co.

June 2022 – Aug. 2022

Software Engineer Intern

- Designed a distributable framework system to enhance logging and trend production behaviors for enumerated data classifications with enumerated dispositions over time, allowing for early detection of unexpected behaviors even in situations where the system did not fail conventionally
- Established baselines using statistical analyses, compared current behaviors to previously harvested data, and integrated an alert mechanism to promptly notify relevant stakeholders of significant deviations
- Introduced additional features including quiescing, rebaselining, and silent windows which improved visibility to integral system behaviors and performance

Fiserv

June 2021 – Aug. 2021

Software Engineer Intern

- Independently developed and deployed a service to conduct comprehensive audits of 2,400 internal Fiserv applications, ensuring their compliance with SSO/MFA requirements and bolstering authentication security coverage
- Implemented multi-threaded crawler using Python that pinged 90,000 DNS records to identify a subset of valid web URLs
- Devised and initialized a SQLite database schema that stored script results and automatically exported into a CSV file with a readable layout

PROJECTS

MindScape

- Developed an AI/NLP-powered personalized learning tool that ingests a user's study materials in video or text format and interacts with a user based on their learning style
- Using the OpenAI GPT-3 API, MindScape creates a mind map for visual learners, an interactive chatbot with a built in UI for social learners, and links to related videos for auditory learners

IntelliTrack

- Implemented an interactive dashboard that displayed a doctor's prescription statistics, equipped with prediction forecasting
- Ranked doctors using multiple linear regression based on productivity, prescription total, and monthly trajectory to isolate future top candidates

TECHNICAL SKILLS

Languages: Java, Python, SQL, C++, JavaScript, Ruby

Frameworks: React, Angular, Spring Boot, Rails, Bootstrap

Tools: Git, AWS, Maven, MongoDB, REST, Node, Linux