Blake Whitman

419-283-8193 | whitman.124@osu.edu | LinkedIn | GitHub | Personal Portfolio

EDUCATION

The Ohio State University   Columbus, OH
B.S. in Computer Science, B.A. in Mathematics   *Aug. 2019 – May 2023*
  GPA: 3.89/4.0

EXPERIENCE

Coinbase   Aug. 2022 – Dec. 2022
Software Engineer Intern
- Iterated and improved 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 when a system avoids failing in the traditional sense
- Established baselines using statistical analyses and compared current behaviors to previously harvested data to trigger an alert when significant deviations were detected
- Introduced additional features including quiescing, re-baselining, and silent windows which improved visibility to integral system behaviors and performance

Fiserv   June 2021 – Aug. 2021
Software Engineer Intern
- Bootstrapped a service to audit 2,400 internal Fiserv applications, verify their SSO/MFA compliance, and ensure proper 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 with readable layout; used by 15,000 stakeholders

The Ohio State University   May 2020 – Aug. 2020
Queuing Theory Research Assistant
- Developed a Java simulation that modeled interactions between consumers using the COTA transit system in downtown Columbus, Ohio
- Created a GUI to display the flow of waiting passengers throughout the process, average passenger wait times and bus delay, and predicted bus arrival with 97% accuracy
- Built an Android application to collect data from public transportation users and uploaded it to AWS

PROJECTS

IntelliTrack
- Collaborated with Veeva Systems to implement an interactive dashboard that displayed a doctor's prescription statistics, equipped with prediction forecasting measured to be 96.5% accurate when backtested against past data
- Ranked doctors using multiple linear regression based on productivity, prescription total, and monthly trajectory to isolate future top candidates

TECHNICAL SKILLS

Languages: Java, Python, C++, Go, JavaScript, Ruby
Frameworks: React, Angular, Spring Boot, Bootstrap
Tools: Git, AWS, Maven, PostgreSQL, REST, Node.js, Linux