

# Blake Whitman

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## EDUCATION

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### 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

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### Coinbase

Aug. 2022 – Dec. 2022

*Software Engineer Intern*

- Data Team: Machine Learning Systems and Services
- Iterated and improved upon a price alerts targeting model that decides in which order to send change-in-price notifications to Coinbase users

### 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; multi-threading reduced runtime by 87.5%
- 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

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### Veeva Systems Dashboard

- Implemented interactive graphs that displayed a doctor's prescription statistics, equipped with prediction forecasting measured to be 96.5% accurate
- Ranked doctors using multiple linear regression based on productivity, prescription total, and monthly trajectory to isolate future top candidates

### Class View

- Devised an online classroom discussion platform, similar to Piazza or Canvas
- Built and tested a custom API for use in conjunction with the PostgreSQL database and Angular frontend
- Implemented JWT authentication in Spring Boot to authenticate users and secure user sessions

## TECHNICAL SKILLS

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**Languages:** Java, Python, C++, Go, JavaScript, Ruby

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

**Tools:** Git, AWS, Maven, PostgreSQL, REST, Node.js, Linux