

David Teather

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EDUCATION

University of Wisconsin - Madison | GPA: 3.89/4.0

Madison, WI

Bachelor of Science in Computer Science, Minor in Entrepreneurship

May 2024

EXPERIENCE

CrowdStrike | *Go, AWS, CI/CD, Microservices, Docker*

May 2023 – Current

Software Engineering Intern, Endpoint Protection Platform

- Boosted product reliability by developing a parser, linter, and **Go**-based unit-test interpreter for Falcon LQL
- Collaborated with team-members to deploy and monitor dozens of team owned **microservices**

Collab | *Apache Spark, Scala, Go, Docker*

May 2022 – May 2023

Software Engineering Intern, Backend

- Designed and implemented a high throughput ETL pipeline, handling over **1 billion** records
- Increased request throughput by **450M** requests/day by creating an efficient API based abstraction using **Go**
- Future-proofed processing jobs using **Apache Spark** in **Scala** enabling horizontal job scaling

Advent International Global Private Equity | *Python, Excel, Business Insights*

Jan 2022 – May 2022

Data Science Intern

- Developed a predictive model using ML in Python, minimizing cannibalization by **5%** across multiple stores
- Utilized web scraping and data mining techniques to estimate customer counts for various companies
- Analyzed large datasets using Python and Excel to uncover and illustrate trends and patterns for owned companies

Warner Music Group | *Ruby on Rails, React.js, SQL Optimization*

May 2021 – Sep 2021

Software Engineering Intern, Sodatone Platform, Full Stack

- Enabled deeper analysis of the industry by ingesting data from music charts and music-streaming platforms
- Boosted return on investments for **30%** of artist signings and **99%** of business decisions with a new data source
- Increased developer productivity by creating an internal web tool for managing and viewing **Ruby** Rescue jobs

PROJECTS

LinkedIn Learning Instructor | *GitHub Codespaces for Students*

Jan 2023 - May 2023

- Teamed up with **GitHub** and **LinkedIn Learning** to create a highly engaging, impactful course
- Empowered **850+** learners to master GitHub Codespaces, enhancing their coding efficiency and productivity
- Further developed my instructional design during onsite recording sessions

TikTokAPI | *Python, Docker, Web Scraping, Git*

Sep 2019 – Present

- Developed and maintain a popular open-source Python package to extract data from TikTok's website, with over **1M+** downloads and **3.7K+** GitHub stars.
- Used extensively in the academic and corporate sectors, cited in **25+** academic papers from renowned institutions including **Yale, Northwestern, The United Nations**, and used by **500+** companies

The Response Times | *TheResponseTimes.com* | *Security Analysis, Security Research*

May 2022 – Present

- Conducted in-depth security analysis of **YikYak's** app, discovering vulnerabilities that risked exposing user locations, prompting enhancements to user privacy (featured in **Vice** and **The Verge**).
- Boosted user data security by identifying and addressing critical vulnerabilities in link.social's authorization tokens, protecting sensitive user data for **thousands of users** (email, phone number, locations, birthdays, etc).

VOLUNTEERING

GitHub Campus Expert | *Leadership, Community Development*

Aug 2022 – Present

- Involved in organizing educational community events including **workshops** and **hackathons**

TECHNICAL SKILLS

Programming Languages: Python, Go, Scala, SQL, Ruby, C, TypeScript, JavaScript, HTML/CSS

Frameworks: Apache Spark, React, Node.js, Ruby on Rails

Infrastructure: Amazon AWS, Postgres (psql), Cassandra, Kafka, Elasticsearch, AWS Glue, AWS Athena, S3

Developer Tools: Git, Docker, GitHub Actions, GitHub Codespaces, Linux, Linters