

# Tyler Stovsky

tylerstovsky@gmail.com | stovsky.com | github.com/stovsky | linkedin.com/in/tyler-stovsky

## Education

University of California, Los Angeles (UCLA)

2020 - 2024

Bachelor of Science in Computer Science | Dean's List | GPA: 3.84

## Experience

Software Engineer, Wells Fargo – New York, NY

July 2024 – Present

*Building next-gen data architecture to power bookbuilding and other primary-market applications*

- Designed and built multiple microservices with full Kafka integration—covering schema design, serialization, and producer/consumer logic—to enable reliable, scalable communication
- Introduced Redis into the application by designing a caching interface and data access layer for critical metadata, eliminating the need for redeployments and reducing release time from 3 weeks to 15 minutes
- Migrated application log storage to MongoDB, optimizing disk usage from 250GB to 20GB per month and enabling longer audit log retention through efficient indexing and storage design
- Boosted API efficiency by 10x for critical business operations by designing a multi-tiered caching system with local in-memory and remote Redis caches
- Automated scheduled execution of unit and behavior-driven development tests, including integrated report generation to streamline testing workflows and enhance visibility into system performance

Software Engineer Intern, Wells Fargo – New York, NY

June 2023 – August 2023

*Enterprise eSignature-as-a-Service for compliant workflows across the bank*

- Developed a microfrontend as a proof of concept leveraging Wells Fargo eSignature capabilities, now used in production by all new users signing up for the Wells Fargo banking application
- Enhanced eSignature post signing process APIs to efficiently export and archive executed documents by creating an HTML and PDF retrieval solution
- Implemented behavior-driven development tests to thoroughly validate various APIs

Software Engineer Intern, Tagbox – Tel Aviv, Israel

June 2022 - August 2022

*AI-powered digital asset management to auto-tag, search, and organize photos/videos for creative teams*

- Engineered a custom model with Amazon Rekognition Custom Labels, training it to analyze images tailored to real client use cases, delivering precise and actionable insights
- Designed and implemented custom test cases, leveraging automation tools and scripts to execute comprehensive automated testing and enhance testing efficiency
- Conducted stress testing on the application across various network conditions, ensuring scalability and performance under varying loads

## Projects

End Overdose Data Analysis

colab.research.google.com/endoverdose

*Research to analyze survey data, visualize demographics, and build ML models to identify key predictors of overdose risk*

- Cleaned and preprocessed survey data into model-ready datasets (handled missing values, normalized fields, encoded categoricals)
- Trained a logistic-regression classifier to predict overdose risk, selecting predictive features from a baseline model to improve generalization
- Visualized survey trends to surface demographic patterns and inform features/outreach

## Skills

**Languages:** Java, SQL, Python, JavaScript, C++ , HTML/CSS

**Technologies:** Microsoft SQL Server, Redis, MongoDB, Git, React, Apache Kafka, Spring Boot

**Certifications:** Microsoft Azure Fundamentals (AZ-900)