

# Tyler Stovsky

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## Education

University of California, Los Angeles (UCLA)

2020 - 2024

Samueli School of Engineering – Bachelor of Science in Computer Science | Dean's List | GPA: 3.84

## Experience

Software Engineer (Primary Markets Platform), Wells Fargo – New York, NY

July 2024 – Present

- Integrated Redis into our application, which reduced software release time from 3 weeks to 15 minutes by enabling the caching of critical data to bypass deployment processes
- Architected key components throughout the transition to a microservice architecture, including scheduled batch data loaders and log storage systems via MongoDB, with communication using Kafka
- Boosted API efficiency by 10x for critical business operations by designing a multi-tiered caching system with local in-memory and remote Redis caches
- Spearheaded the migration to MongoDB, reducing application log disk usage from 250GB to 20GB per month, significantly extending audit retention periods
- Created a dynamic API parameter validation service, utilizing cache-based input validation to allow seamless updates and accommodate changing business requirements
- 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

- 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

- 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 for End Overdose, a non-profit dedicated to spreading awareness on the opioid crisis, to explore surveying data, visualize basic demographic data, and use machine learning techniques to predict which set of factors are most predictive for a drug overdose

- Cleaned and preprocessed surveying data to be used for machine learning
- Created a logistic regression model which accurately predicts drug overdoses based on predictive features selected from a baseline model
- Visualized surveying data to explore and analyze patterns among those who requested fentanyl testing strips

## Skills

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

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

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