

Eric Minassian

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EDUCATION

University of California Irvine

June 2025

Bachelor of Science in Computer Science

GPA: 4.0 / 4.0

Bachelor of Arts in Business Administration, Finance

Relevant Coursework: Data Structures | Algorithms | C/C++ | Python | Systems Design | Linear Algebra

SKILLS

Programming Languages: TypeScript | JavaScript | Python | C++ | C | SQL | HTML | CSS | Bash

Frameworks and Libraries: React | Node.js | Next.js | Solid.js | Fastify | Django

Technologies: Docker | Git | Linux | PostgreSQL | MySQL | Amazon Web Services (AWS) | Microsoft Azure

EXPERIENCE

Walmart Global Tech | Software Engineer II Intern

May 2023 - August 2023

- Developed a **full stack** application using **TypeScript, React, Redux**, and **Fastify** to effectively present store-specific pay structures to management, handling **over 130,000 daily requests**.
- Established a robust **CI / CD** pipeline that automated static analysis, unit testing, and scalable deployment of codebases to **Kubernetes** clusters, facilitating access for **over 5,500 stores** globally.
- Led the development of a cross-platform tool automating changelogs, change requests, and documentation from **Git** history, enabling automated code merges and reducing developer admin time.

Simply Personalized | Software Engineer

August 2021 - June 2023

- Spearheaded development of a peer-to-peer marketplace allowing real-time, multilingual product personalization and previews using **Python, TypeScript, React**, and **Next.js**.
- Created an interactive order form in **TypeScript**, providing instant quotes for wholesale customers, boosting website retention by **87%**, and increasing online inquiries by over **1200%**.

UFA @ UC Irvine | VP of Technology

March 2022 - March 2023

- Orchestrated a cost-effective **WordPress** migration strategy utilizing **AWS**, reducing expenses by **66%**.
- Oversaw the successful integration of member login and video archive features, enabling remote access to in-person meetings and increasing viewership by an average of **152 attendees per meeting**.

PROJECTS

Personalized Product Ecommerce Website

Not Open Source - Contact for Demo

- Developed a P2P Ecommerce store allowing real-time product personalization and previews using **Next.js, React**, and **TypeScript**.
- Implemented **Python**-based **batch jobs** that saved an average of **20 hours** per week by automating tasks like payment release and inventory processing, improving operational efficiency.
- Configured a **CI/CD** pipeline with **GitHub Actions** and **AWS Lambda** for automated code builds, tests, and serverless deployments.

Search Engine

github.com/eric-minassian/search-engine

- Applied information retrieval principles (simhash, NLP, page rank, cosine similarity, tf-idf) to create a web crawler and search engine.
- Developed a custom database for CRUD operations on an inverted index of corpus data, achieving operation speeds of under 15ms.