

## Eric Minassian

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## EDUCATION

### University of California Irvine

B.S, Computer Science, Information

B.A, Business Administration, Finance

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

June 2024

GPA: 4.0

## SKILLS

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

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

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

## EXPERIENCE

### Software Engineer II Intern

May 2023 – August 2023

*Walmart Global Tech*

- Developed a scalable **full-stack** application with **TypeScript, React, Redux**, and **Fastify** to efficiently present store-specific pay structures, handling an average volume of **over 130,000 daily requests**.
- Implemented and configured a streamlined **CI/CD** pipeline, automating **regression testing** and enabling the seamless deployment of services using **Kubernetes** clusters for use by **over 5,500 stores** globally.
- Contributed a module to an internal library, enabling seamless authentication implementation through **JWT** tokens and the company's Single Sign-On, resulting in adoption in **6 projects**.

### Software Engineer

August 2021 – June 2023

*Simply Personalized*

- Led the development of a peer-to-peer marketplace that allows live product personalization and previews in multiple languages, utilizing technologies such as **Python, TypeScript, React**, and **Next.js**.
- Implemented an interactive order form in **TypeScript** that enables wholesale customers to receive instant quotes on designs - increasing website retention by **87%** and online inquiries by over **1200%**.
- Transformed an unmaintained wholesale website by implementing frontend and backend improvements on the **WordPress CMS** - resulting in a **130% increase** in page views.

### V.P. of Technology

March 2022 – March 2023

*UFA at University of California Irvine*

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

## PROJECTS

### Personalized Product Ecommerce Website

*Not Open Source – Contact for Demo*

- Developed a P2P Ecommerce store for personalizing products and viewing them in real-time using **Next.js, React**, and **TypeScript**.
- Implemented **batch jobs** with **Python** to handle reoccurring, tasks such as payment release, and inventory processing.
- Implemented a **CI/CD** pipeline using **GitHub** Actions and **AWS Lambda** for automatic code builds, tests, and serverless deployments.
- Integrated **Stripe API** to handle both payments and automatic payouts to vendors.

### Search Engine

[github.com/eric-minassian/search-engine](https://github.com/eric-minassian/search-engine)

- Utilized various information retrieval principles such as simhash, natural language processing (NLP), page rank, cosine similarity, and tf-idf to create a web crawler and search engine.
- Developed a custom database to perform **CRUD** operations on an inverted index of corpus data stored on disk, with operation speeds of under 15ms.