Eric Minassian

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Education

- **Bachelor of Science in Computer Science** | University of California, Irvine | **GPA: 4.0/4.0**   **June 2025**
- **Bachelor of Arts in Business Administration** | University of California, Irvine | **GPA: 4.0/4.0**   **June 2025**

Skills

- **Languages:** Typescript | JavaScript | Python | C++ | C | SQL | Bash | HTML/CSS
- **Technologies:** Docker | Git | MySQL | PostgreSQL | Amazon Web Services (AWS) | Microsoft Azure | Linux
- **Frameworks & Libraries:** React.js | Node.js | Next.js | Fastify | Django | Solid.js

Work Experience

Software Engineer II Intern   **Walmart Global Tech**   **May 2023 - Aug 2023**

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

Software Engineer   **Simply Personalized**   **Aug 2021 - June 2023**

- Spearheaded the development of a **C++** program for artwork management and distribution to embroidery machines, resulting in an **80% reduction** in human error by eliminating manual processes.
- Developed an interactive order form using **TypeScript**, providing instant quotes for wholesale customers, increasing website retention by **87%** and boosting online inquiries by **over 1200%.**

V.P. of Technology   **Undergraduate Finance Association**   **Mar 2022 - Mar 2023**

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

Projects

Personalized Product Marketplace   Contact for Demo

- Built a peer-to-peer marketplace enabling real-time, multilingual product personalization and previews using **Python, TypeScript, React.js**, and **Next.js**.
- Automated tasks such as payment release and inventory processing using **Python**-based batch jobs, saving an average of **20 hours** weekly and enhancing operational efficiency.
- Established a **CI/CD** pipeline with **GitHub Actions** and **AWS Lambda** for efficient code builds, tests, and serverless deployments.

Search Engine   github.com/eric-minassian/search-engine

- Developed a web crawler and search engine applying information retrieval principles (SimHash, NLP, page rank, cosine similarity, tf-idf).
- Constructed a custom database for fast CRUD operations on an inverted index of corpus data, with operation speeds under 15ms.