Eric Minassian
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EDUCATION

University of California Irvine   June 2024
BS, Computer Science   **GPA: 4.0**
BA, Business Administration, Finance
Relevant Coursework**:** Data Structures | Algorithms | C/C++ | Python | Systems Design | Linear Algebra | Discrete Math

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 using **TypeScript, React, Redux**, and **Fastify** to efficiently present store-specific pay structures, managing **over 130,000 daily requests**.
- Implemented and configured a streamlined **CI/CD** pipeline, automating **regression testing** and faciliating 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 via **JWT** tokens and Single Sign-On, adopted by **6 projects**.

Software Engineer   August 2021 – June 2023
Simply Personalized
- Led the 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%**.
- Revamped an outdated wholesale website through frontend and backend enhancements on the **WordPress CMS**, resulting in a **130% increase** in page views.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
- 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** automating tasks like payment release and inventory processing, saving **20 hours** per week on average.
- Configured a **CI/CD** pipeline with **GitHub Actions** and **AWS Lambda** for automated code builds, tests, and serverless deployments.
- Integrated **Stripe API** for both payments and automatic payouts to vendors.

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**.