

Francis Nguyen

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EDUCATION

California State Polytechnic University, Pomona

Pomona, CA

Bachelor of Science in Computer Science | GPA: 3.77

May 2024

TECHNICAL SKILLS

Languages: Javascript, Java, Typescript, Python, HTML, CSS, SQL

Frameworks/Technologies: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Jest, Firebase, MongoDB, PostgreSQL, MySQL, AWS (S3, Route 53, Cloudfront, CodeBuild), REST APIs, GraphQL

Developer Tools: Git, Github, Figma, Trello, Kanban, npm, Postman, Vercel, Render, ChatGPT, Gemini

EXPERIENCE

Software Developer - AI Trainer

January 2025 – Present

DataAnnotation

Remote

- Assessed AI-generated **Python** and **JavaScript** code for correctness, logic, and adherence to best practices, ensuring high-quality model outputs
- Designed **30+ test cases** including text-to-code challenges and optimization tasks, boosting LLM evaluation and chatbot accuracy
- Analyzed AI-human chat transcripts to flag errors and inconsistencies, providing feedback that improved model alignment and performance

Software Engineer Intern

June 2024 – August 2024

California Seismic

Remote

- Developed an interactive viewing feature for 7 structural design code chapters, increasing accessibility for **1,000+** engineering students
- Crafted a detailed wireframe in **Figma** to guide the development of the new feature, converting them into 3 modular UI components with **React** and **Tailwind**
- Developed **4 Jest unit tests** for the ASCE7 feature to ensure the correct rendering of components and **200+ images** based off of user actions and routing

PROJECTS

Order Number Validator | *Next.js, Prisma, Apollo GraphQL, PostgreSQL, Docker*

- Implemented a booking form validation system for Curri's customers to define an order number syntax, reducing confusion and errors during order fulfillment
- Built a user-friendly settings UI with live validation which improved input consistency and reduced invalid bookings by up to **100%** in controlled testing
- Designed a persistent backend using **GraphQL** and **Prisma**, ensuring reliable storage and retrieval of user-defined order number formats per account

Ecommerce Store | *React.js, Node.js, Express.js, MongoDB*

- Produced and maintained a full-stack ecommerce platform, enabling users to browse **30+ products** and manage shopping carts
- Utilized **Express.js** to implement **10+ RESTful APIs** to manage core functionalities including product management, user authentication, and shopping cart operations
- Implemented secure image uploads with **Multer**, allowing admins to efficiently manage product catalogs by storing and serving **15+ images** from the server
- Devised a robust state management framework through React's Context API, which led to a **30% decrease** in state management-related bugs

ATM System | *Java, Swing, MySQL*

- Led the creation of a Secure ATM System in a **team of 4** using object-oriented techniques, enabling efficient handling of critical banking operations like deposits, withdrawals, and transfers
- Integrated secure authentication with **SQL queries** and **prepared statements**, reducing risk of SQL injection attacks and protecting **100+ customer records**
- Optimized user experience by designing an interface with **CardLayout**, enhancing navigation efficiency and reducing user transaction time by **50%** for banking operations