

Areg Hovumyan

(Portfolio - <https://portfolio-steel-six-92.vercel.app/>)

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• 3801 West Temple Avenue, Pomona, CA 91768

Cal Poly Pomona

Degree: Computer Engineering

Education

Pomona, CA

Experience

Liner Inc.

Fullstack Software Engineer

Glendale, CA

Mar 2024 - Present

AI Companion – Full-Stack AI Platform

A web application where users create and chat with AI characters and generate images

- Built a full MERN stack app with React, Express, MongoDB, and shared TypeScript across frontend/backend
- Implemented JWT and Google OAuth with Firebase Admin SDK, plus bcrypt password hashing for secure auth
- Used Cloudinary for image hosting and processing with multer uploads and an organized folder structure
- Designed scalable MongoDB models with Mongoose for users, chats, and AI characters
- Integrated real-time chat with WebSockets, handling sessions, updates, and presence indicators
- Developed RESTful API with route validation, error handling, and auth middleware
- Built modular React UI using Tailwind CSS, Radix UI, and custom hooks with TanStack Query for data fetching
- Future - Redis for caching and AWS Sagemaker for image and chat generation.

Real-Time Chat App using Webhooks

Real-time messaging app with Socket.IO, cloud image uploads, and secure user management

- WebSocket-based messaging system with live user presence and sub-100ms message latency
- Built secure backend with JWT, bcrypt, and Express middleware for auth and route protection
- Used Zustand for state management, reducing re-renders and improving app performance
- Cloudinary integration for user avatars and image sharing, improving asset delivery
- Built REST API and optimized MongoDB access with indexed querying for fast performance

More Projects can be found on my [GitHub](#)

GitHub: <https://github.com/arhovumyan>

LinkedIn: <https://www.linkedin.com/in/areg-hovumyan/>

Tools and languages: Typescript, JavaScript, React.js C++, C, Java, Python, Node.js, Next.js, Express, HTML, Cascading Style Sheets, CSS, Tailwind, Vite, Three.js, MongoDB, Firebase, ReactJS, npm, Docker, Bash, shell scripting, Github, Git, Agile, APIs, Deployment, REST APIs, HTML Angular, NET Framework, Stack, Full-Stack Development, Web Development, Agile, OOP, Algorithms, SQL, NOSQL, Scalability, GraphQL, CanvasJS, Redis, DynamoDB, PostgreSQL, Amazon Web Services (AWS), AI deployment, AI development

Technical: Embedded systems engineering, Math, team management, leadership, Physics