

# Sean Rezaie

[LinkedIn](#) | [seanrezaie@berkeley.edu](mailto:seanrezaie@berkeley.edu) | [Website](#) | [GitHub](#) | (949) 590-0441

## EDUCATION

### University of California, Berkeley

Berkeley, CA

B.A Computer Science, Minor in Data Science | Completion of Pre-Med Requirements

May 2025

- **GPA:** 3.80 / 4.00
- **Relevant Coursework:** Data Structures, Algorithms, Computer Architecture, Data Science, Probability, Databases, Discrete Math and Probability, Networking\*, Computer Security\*, Linear Algebra, Organic Chemistry II & I, Physics

## EXPERIENCE

### Rescan

Menlo Park, CA

Software Engineering Intern

Dec 2024 – Present

- Developed and enhanced the user management portal, creating and deploying over 20 API endpoints with Amazon CDK (Python) for cloud infrastructure and React for the frontend, improving user management efficiency
- Improved portal performance and features, increasing operational speed by 40% using React and AWS cloud technologies, while maintaining 100% test coverage and ensuring clear, well-documented code
- Developed and maintained scalable data pipelines and cloud systems, utilizing AWS services such as Lambda, S3, and Cognito to streamline data processing and enable secure user login and authentication

### Blackprint Technologies

San Francisco, CA

Software Engineer

April 2024 – Jan 2025

- Deployed an NLP model using AWS Lambda and ECR, which significantly reduced the average user query time by 70%
- Created a map-based platform using Next.js to work with geospatial data, querying AWS Redshift to reduce latency
- Engineered a web scraping system processing 300,000+ property datasets, automating data analysis to reduce manual effort by 80% and enabling real-time verification, boosting operational efficiency by 50% using EC2 and Cron jobs

### Alpha Omega Group LLC

San Diego, CA

Software Engineering Intern

May 2023 – Aug 2023

- Developed a full-stack web application for automated employee Monthly Status Reports (MSRs) using Next.js, Python, and FastAPI; integrated LangChain and OpenAI for report consolidation, reducing a manager's manual effort by 80%
- Engineered a robust backend system with FastAPI and PostgreSQL, leveraging Docker and Kubernetes for containerization and orchestration; implemented GPT-4o using OpenAI integration for intelligent report generation

### Berkeley Undergraduate Course Staff: Data Science (Data C8)

Berkeley, CA

Tutor

Jan 2024 – May 2024

- Led weekly mini lectures and discussions to guide 20+ students in foundational data science and statistics concepts, fostering deeper understanding through visualizations and presentations
- Assisted 1,000+ students during office hours, providing personalized support and clarifying complex topics

## PERSONAL PROJECTS

### [Conversify](#) (Co-Founder) | Next.js, TypeScript, Supabase, React Native

June 2024 – Present

- Conversify is an AI-powered platform that enhances a user's conversation skills through realistic practice scenarios
- Engineered integration of Deepgram and Claude 3.5 Sonnet to create real-time conversational/interview simulations
- Grew user base to 5,000 sign ups, with 150 paid-active users in the first three months after the release of the MVP

### Chrome Extension: Automated Table Scraper with Pagination

May 2024 – July 2024

- Designed and implemented a Chrome Extension to identify, extract, and concatenate tabular data across paginated web pages, enabling users to export datasets to CSV or cloud storage with Parquet compression for efficient storage
- Automated pagination handling and scraping tasks using Puppeteer and background scripts, reducing manual intervention and ensuring seamless data collection; integrated Cron-like scheduling for consistent, real-time processing

## SKILLS

- **Languages:** Java, Python, JavaScript, Golang, C/C++, SQL, TypeScript, R, HTML, CSS, RISC-V
- **Libraries:** Next.js, React, Beautiful Soup, Flask, NLTK, Scikit-Learn, NumPy, Pandas, Matplotlib, Pytest
- **AI/ML/LLM:** LangChain, HuggingFaceEmbeddings, GPT-4o, sklearn, TensorFlow, PyTorch
- **Databases:** PostgreSQL, MySQL, SQLite, MongoDB, Supabase, Amazon Redshift, SQLAlchemy