

# HANNAH BERNSTEIN

## SOFTWARE ENGINEER

LOS ANGELES, CA

### ABOUT ME

Computer Science graduate with advanced training from a coding academy, seeking a challenging position as a full-stack developer. Passionate about blending creativity with technical skills, with an interest in artificial intelligence and design. Eager to apply my problem-solving skills and knowledge of multiple programming languages in a dynamic team environment, with a long-term goal of moving into the field of AI.



661-621-1772



hbern00@gmail.com



<https://github.com/hbernie>

### EDUCATION

#### Bachelors Degree in Computer Science

Aug 2018 - May 2022

- University of Colorado Boulder
- Boulder, CO

#### Codesmith

Aug 2022 - Nov 2022

- Advanced Software Engineering Immersive Program
- Los Angeles, CA

#### Continuing Education (Coursera)

In progress

- Machine Learning Specialization Certification
- Stanford x DeepLearning.AI

### SKILLS

**Languages:** JavaScript (ES6+), TypeScript, HTML5/CSS3, Python, C++

**Frameworks/Libraries:** React, Redux, Node.js/Express, TailwindCSS

**Databases & APIs:** SQL & NoSQL, GraphQL, Redis, RESTful API

**Tools:** Git/Github, Webpack, Vite

**Testing:** Jest, Puppeteer, React Testing Library

**Authentication:** JWT, bcrypt

**Data Analysis:** NumPy, Pandas

### INTERESTS

- Artificial intelligence
- Snowboarding, hiking, camping
- Piano, bass guitar, live music
- Mindfulness

### EXPERIENCE AND PROJECTS

#### LatchQL

2022 - 2023

Software Engineer

An open-source, npm middleware package that enhances GraphQL API security through role-based authorization.

- Employed Express middleware design pattern to intercept incoming requests to the GraphQL endpoint and subsequently apply custom limiting rules that prevent costly or potentially dangerous GraphQL queries from executing
- Developed a locally hosted GraphQL playground as a developer tool to test GraphQL queries using npm package before going live with permissions
- Leveraged TypeScript and its use of static typing to avoid type errors becoming vulnerabilities while enforcing efficient and detailed logic throughout development leading to better development scaling
- Implemented Redis as a caching service to temporarily store user's cost analysis by user IP address to apply a role-specific rate limiter

#### What In the World?

2022

Software Engineer

An interactive geography trivia game.

- Utilized React Hooks for improved code maintainability
- Optimized REST API requests and responses to prevent over- and under-fetching

### CERTIFICATIONS

#### Supervised Machine Learning: Regression and Classification

JULY 2023

DeepLearning.AI x Stanford Online x Coursera