## **HANNAH BERNSTEIN**

### SOFTWARE ENGINEER

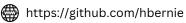
LOS ANGELES, CA

#### **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.

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#### **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 DeepLeaning.Al

#### **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

Software Engineer

2022 - 2023

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 overand under-fetching

#### **CERTIFICATIONS**

## Supervised Machine Learning: Regression and Classification

DeepLearning.AI x Stanford Online x Coursera

**JULY 2023**