

# Korry Tunnichliff – Software Engineer

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

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## EDUCATION

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University of Colorado Boulder

Graduated: May, 2023

B.S. Computer Science

Boulder, CO

- GPA: 3.75/4.0
- Recognized as a CU Dean's List honoree six times, a Boettcher Scholarship Semifinalist, CU Esteemed Scholar, recipient of the Outstanding Colorado Student Award, the Thomas T. Eaton Scholarship, and a Gates National Merit Scholar

## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, JavaScript, TypeScript, C, C++, Elixir, Scala, MATLAB
- **Frontend + Backend:** AWS, React, Angular, Express, Node, Flask, FastAPI, GraphQL, MongoDB, PostgreSQL

## WORK EXPERIENCE

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### **SOFTWARE ENGINEER**

**NOVEMBER 2024 – PRESENT**

Amazon Web Services, Seattle, WA

- Implementing and designing complex, scalable systems for more than a million business customers
- Growing the architecture that supports training and fine-tuning of LLMs such as Claude 3.5 Haiku and more

### **SOFTWARE ENGINEER**

**JUNE 2023 – NOVEMBER 2024**

LineVision, Boulder, CO

- Demonstrated full-stack expertise, streamlining front-end development with React to create intuitive interfaces, while effectively managing backend complexities with extensive AWS integrations (SQS, S3, Lambda, ECS, EC2)
- Optimized process efficiency, eliminating manual steps through automation and helped to save hundreds of hours for the team

### **SOFTWARE ENGINEER INTERN**

**MAY 2022 – AUGUST 2022**

MojoTech, Boulder, CO

- Engaged in full-cycle application development with a team of 25 software engineers and 4 software engineer interns through collaboration on GitHub and the use of Elixir, Phoenix LiveView, PostgreSQL, ReactJS, Apollo, and Absinthe

## PROJECTS

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### **VIM DICTIONARY**

**FEBRUARY 2023 – MARCH 2023**

Boulder, CO

- Engineered a full-stack Single Page Application (SPA) for storing and looking up shortcuts inside of the Vim editor
- Utilized NextJS for the frontend development, Rust with Actix Web server-side tasks, and PostgreSQL for database management
- Launched using Netlify for the frontend hosting, Heroku and Docker on the backend, and Supabase for hosting the database
- [GitHub Repo](#). See the live version [here](#)

### **THE TUNNICLIFF BLOG**

**JANUARY 2023 – FEBRUARY 2023**

Boulder, CO

- Implemented a blog website for technical entries using the MERN tech-stack. Deployment achieved through Netlify and Heroku
- [GitHub Repo](#). Access the blog [here](#)

### **DYNEIN PROTEIN ANALYSIS**

**JANUARY 2022 – MARCH 2023**

University of Colorado Boulder, Boulder, CO

- Authored Python scripts to analyze cellular imaging to map and quantify dynein protein intensity, reducing the process of manual analysis by up to 75%, and saving several hours per set of cellular images in the lab
- [GitHub Repo](#)