

# Korry Tunnichliff – Software Engineer

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

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## CAREER OBJECTIVE

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- Full-Stack Software Engineer that has both broad and in-depth knowledge of the field of Computer Science. Able to design, prototype, develop, and deploy applications by utilizing a multitude of technical frameworks. Highly skilled in collaboration, teamwork, and communication. Able to adapt to any challenge or deadline.

## EDUCATION

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### University of Colorado Boulder

B.S. Computer Science

**Graduated: May, 2023**

Boulder, CO

- GPA: 3.75/4.0
- Awards: Boettcher Scholarship Semifinalist, 4-time CU Dean's List, CU Esteemed Scholar, Outstanding Colorado Student Award, Thomas T. Eaton Scholarship, Gates National Merit Scholarship

## TECHNICAL SKILLS

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

## WORK EXPERIENCE

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### SOFTWARE ENGINEER

**JUNE 2023 – PRESENT**

LineVision, Boulder, CO

- Mastered Python, utilizing frameworks like Flask and FastAPI, and tools including Boto3 to architect and implement robust, automated processes for client asset data calibration
- Demonstrated full-stack proficiency, streamlining front-end development with React to create intuitive interfaces, while effectively managing backend complexities with extensive AWS integrations (SQS, S3, Lambda, ECS, EC2) when building out a CFD pipeline
- Played a pivotal role in design and development, collaborating closely with DevOps and Senior Software Engineers, ensuring seamless cross-squad communication and handling large-scale projects

### SOFTWARE ENGINEER INTERN

**MAY 2022 – AUGUST 2022**

MojoTech, Boulder, CO

- Developed applications 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 while handling multiple API clients

## PROJECTS

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### VIM DICTIONARY

**FEBRUARY 2023 – MARCH 2023**

Boulder, CO

- Created and deployed a full-stack SPA for storing and looking up shortcuts in Vim
- Built with NextJS on the frontend, Rust with Actix Web on the backend, and PostgreSQL
- Deployed using Netlify for the frontend, Heroku and Docker on the backend, and Supabase for hosting the database
- [GitHub Repo](#). Deployed [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](#). Deployed [here](#)

### DYNEIN PROTEIN ANALYSIS

**JANUARY 2022 – MARCH 2023**

University of Colorado Boulder, Boulder, CO

- Built a few Python scripts that take in cellular imaging, and outputs both the location and measured intensity of dynein proteins inside.
- [GitHub Repo](#)