# Korry Tunnicliff – Software Engineer

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Portfolio | LinkedIn | GitHub | Blog

## EDUCATION

**University of Colorado Boulder** **Graduated: May, 2023**
*B.S. Computer Science* *Boulder, CO*

- GPA: 3.75/4.0
- Awards: 6-time CU Dean's List, Boettcher Scholarship Semifinalist, CU Esteemed Scholar, Outstanding Colorado Student Award, Thomas T. Eaton Scholarship, Gates National Merit Scholarship

## TECHNICAL SKILLS

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

## WORK EXPERIENCE

***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

## RESEARCH EXPERIENCE

***DLA RESEARCH ASSISTANT*** ***AUGUST 2021 – DECEMBER 2021***
University of Colorado Boulder, Boulder, CO

- Managed a C++ server in a research group of over 10 student engineers and a research professor
- Handled Software Defined Radios and visualized signal interference through MATLAB and the Google Maps API

## PROJECTS

***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 Next.JS 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