

Oliver Speir

Software Engineer

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A skilled Full Stack Developer who thrives on challenging assignments and opportunities to apply innovative problem-solving skills. Proven ability to adapt to new environments and identify critical resources. Possesses a comprehensive understanding of Continuous Integration and Test Driven Development methodologies.

TECHNICAL SKILLS

Languages: Javascript, Python, HTML, CSS, SQL

Skills and Tools: ReactJS, Django REST Framework, PostgreSQL, Docker, Serverless functions, NextJS, TailwindCSS, FastAPI, Pandas, NumPy, Holoviz, ExpressJS, MongoDB, NodeJS, Django, Pytest, PyCharm, VSCode

PROJECTS

Clean Air Compass, Feb 2023 - [GitHub](#) | [Live Site](#)

- NextJS FastAPI and Django REST Framework application that uses Open Source Purple Air sensors to provide a spatially interpolated map of the air quality in a given area .
- NextAuth.js used to interact with Django REST Framework which uses token authentication to secure its endpoints .

ThoroughZed , Dec 2022 - [GitHub](#) | [Demo](#)

- Data analytics and visualization project where we created tools to collect, visualize and analyze a large data set.
- Holoviz Panel Dashboard and Random Forest Regression Machine Learning.

OpenIMG, Dec 2022 - [GitHub](#) | [Live Site](#)

- Web Application that uses OpenAI's DALLIE2 API to create images based on user input prompts.
- Built with MERN, ReactJS, NodeJS, MongoDB, REST APIs, and Using Auth0.

EDUCATION

Code Fellows, Seattle WA

Certificate - Advanced Software Development in Python - 2023

Front Range Community College, Westminster, CO

Associate of Applied Science in Information Technology - 2022

EXPERIENCE

Broadcom, Fort Collins, CO - Senior Operator, Oct 2017 – Present

- Processed semiconductors, balanced the production line and monitored tool health.
- Participated in creating documentation, interfaced with engineers and communicated complex information regularly.

CBW Automation, Fort Collins, CO, Machinist, Dec 2016 – Oct 2017

- Built parts for production robots from drawings using a CNC milling machine.
- Practiced creative problem solving and detailed planning while maintaining extreme attention to detail.

Fort Collins Truss, Fort Collins, CO, Builder, Jul 2015 – Dec 2016

- Built custom professionally engineered trusses from drawings.
- Learned valuable communication skills and gained experience working in a dynamic team environment.