

Enrico Blackwell

Full Stack Developer

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EDUCATION

Bachelor of Science: Computer Science

University of Colorado Boulder - May 2023

EXPERIENCE

Sarus Lifting — Full Stack Developer

January 2023 - March 2024

Worked at a three person pre-seed company and took on many roles and responsibilities: attended customer interviews to assess value proposition, managed the database as well as frontend app UI/UX, and gave critical input regarding the state and future of the company.

Helped develop the Lift-Pro software by creating a 3D visualization of crane rigging using three.js, a ground bearing pressure calculator with accurate physics equations, and restyled the app by leveraging Figma.

Created a second app from the ground up with Typescript and the Trimble Maps API to solve the problem of oversize and overweight truck routing across the United States.

Amazon — SDE Intern, AWS EC2 Analytics

Summer 2022

Managed petabytes of data and improved performance and scalability of SQL queries targeting the internal data warehouse by up to 20x in some cases.

Developed an internal Amazon ETL pipeline by setting up the AWS architecture with CloudFormation which would create Lambda tasks to move data from S3 into Redshift for faster queries.

Gained industry experience working with a software development team and using best practices while writing code, creating code reviews, and drafting detailed design documents with Quip.

University of Colorado Boulder — Student Lab Administrator

May 2021 - May 2022

Managed 800+ student and private computers throughout the Boulder campus using the Microsoft Endpoint Configuration Manager and Ivanti.

Wrote technical documentation for operating system and application installs with troubleshooting steps for the internal lab knowledge base.

Maintained software and hardware for computer labs.

SKILLS - LANGUAGES

- JavaScript (Advanced)
- TypeScript (Advanced)
- HTML/CSS (Advanced)
- C++ (Intermediate)
- Python (Intermediate)
- Java (Proficient)
- C# (Proficient)
- SQL (Proficient)
- English (Native)
- Italian (Proficient)

SKILLS - TOOLS

- Microsoft Office Suite
- Ubuntu
- Socket.io, three.js
- Node.js, Express.js
- React, Vue.js, Svelte
- PostgreSQL, MySQL
- Google Maps API
- Trimble Maps API
- Paper.js, p5.js
- Mongo, Firestore
- Jira, Notion, Trello
- Ivanti
- Git
- Cloudflare, Heroku
- AWS S3, EC2, Lambda, Redshift, CloudFormation

ADDITIONAL EXPERIENCE

- Apprentice Developer - Denver Public Schools (July 2018 - May 2019)
- Technology Services Intern - City and County of Denver (Summer 2018)
- OS Deployment Intern - Iron Mountain Data Center (Summer 2017)