

Dom Ellis

925-708-9893 | dellisuo@gmail.com | [linkedin.com/in/dominic-ellis-b63ab8238](https://www.linkedin.com/in/dominic-ellis-b63ab8238) | github.com/dellis2cs | [Portfolio](#)

EDUCATION

University of Oregon

Bachelor of Science in Computer Science

Eugene, OR

Sep. 2022 – May 2026

- **Relevant Coursework:** Computer Organization, Data Structures, Algorithms, Unix and C++
- **Awards:** Deans List , Mind's Move Mountains Scholarship

EXPERIENCE

AI Research Intern

Grok AI

Apr 2024 – Present

San Francisco, CA

- Contributed to an emerging startup focused on leveraging artificial intelligence for innovative research and consulting projects.
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

PROJECTS

Indexify | *Python, Flask, React, MongoDB, Express*

Jan 2025

- Hackathon Project – Developed “Indexify,” a full-stack **machine learning** web application that converts uploaded PDF notes into concise study index cards for students.
- Engineered a robust PDF processing pipeline integrated with a Express and Flask-based REST API and a React frontend to provide a seamless user experience.
- Implemented natural language processing algorithms to extract key concepts and generate study-friendly index cards, enhancing information retention for users.

Orbit | *Express, PostgreSQL, React*

May 2018 – May 2020

- **Currently Developing a Comprehensive Platform:** Building an end-to-end interview preparation tool that tracks LeetCode progression, manages contacts and internship applications, and features a full markdown text editor.
- Integrating essential functionalities to streamline interview preparation and application management, with plans to incorporate additional features based on user feedback.
- Leveraging Express for the backend, PostgreSQL for robust data management, and React for a dynamic, responsive frontend to ensure a smooth user experience.

TECHNICAL SKILLS

Languages: C++, C, JavaScript, Python, C#, SQL, HTML/CSS

Technologies: React, Node.js, Flask, Django, MongoDB, PostgreSQL, Postman, REST APIs, TailwindCSS, FramerMotion,

Developer Tools: Git/Github, Visual Studio Code, Spline

Libraries: pandas, NumPy, Scikit-Learn, Pytorch, Hugging Face, React-Lucide, MdxEditor