

Grace Ohlsen

Boulder, CO | 314.620.4797 | ohlsengrace@gmail.com

<https://ohlsengrace.github.io/>

Education

University of Colorado, Boulder, CO

May 2025

B.A. in Computer Science, Minor in Economics

- Enrolled in the College of Engineering & Applied Science and the College of Arts & Sciences.
- Cumulative GPA of 3.712/4.0

Relevant Coursework

- Data Structures, Computer Systems, Introduction to Data Science w/ Probability and Statistics, Algorithms, Artificial Intelligence, Introduction to Cybersecurity

Technical Skills

- *Programming Languages:* C++ | JavaScript | Swift | SQL | Python | Scala
- *Platforms/Tools/OS:* ReactJS, NodeJS, PostgreSQL, GitHub, Google Suite, Microsoft Office Suite, Figma, and Excel.

Experience

Software Engineering Intern, Hitachi Energy, Broomfield, CO

05/23-Present

- Collected user feedback by interviewing all users of the current site and synthesized that data into user stories.
- Developed and presented a wireframe of the new design using Figma.
- Currently in process of redesigning the client management web portal using ReactJS, ASP.Net, Entity Framework Core, and MySQL.

Note-Taking/ Flex Plan Assistant, CU Disability Services, Boulder, CO

03/22-09/23

- Automated data transfer service from student surveys to Excel using Microsoft Power Apps, Excel, and Qualtrics.
- Managed the primary note-taking and flex plan email account using Microsoft Office Suite and Accommodate.

Projects

Creator, ohlsengrace.github.io

09/23-Present

- Created a website to display my profile, projects, and resume using ReactJS and GitHub pages.
- Actively evolving the website to match what I am learning about responsive web design and UI/UX principles.

Backend Team Leader, Pinventory

08/20-05/21

- Created Pinventory, an online textbook inventory web portal used by highschool to make textbook distribution more centralized.
- Led 3-person backend dev team to complete the project from scratch by the final deadline using effective communication and task management.
- Utilized tools such as ReactJS, NodeJS, PostgreSQL, GitHub, Google Client Libraries, and PowerSchool API..

Extra Curricular Activities

Team Member, Blueprint Boulder

08/23-Present

- Collaborating with team members to create a web portal and database for wildlife data for Boulder County Nature Association.
- Utilizing tools such as React, Django, GitHub, and MySQL.
- Implementing and learning about search algorithms, such as [tf-idf](#).

Systems, Controls, and Home Automation Team Lead, CU Solar Decathlon

08/21-04/23

- Led home system integration (AC, heating, electric, solar, etc.) by using Home Assistant open-source platform.
- Collaborated with the solar team, Boulder County, and Habitat For Humanity to create affordable housing for residents of the Ponderosa Mobile Home Park in North Boulder.
- Competed in the U.S. Department of Energy's Design and Build Challenge to create a net-zero residential building.

Achievements

- Colorado Presidential Scholarship for academic excellence, August 2021-Present.
- Named Rising Star by NCWIT (National Center for Women In Technology), Summer 2021.
- Recipient of Post-Secondary Promise Scholarship for academic excellence and involvement, May 2021.