

Grace Ohlsen

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Education

University of Colorado, Boulder, CO

May 2025

B.A. in Computer Science, B.A. in Economics (concentration in Quantitative Analysis)

- Enrolled in the College of Engineering & Applied Science and the College of Arts & Sciences.
- Cumulative GPA of 3.681/4.0

Relevant Coursework

- Computer Science 1: Starting Computing (C++); Data Structures (C++); Computer Systems (C, Assembly); Discrete Structures (Python); Introduction to Data Science w/ Probability and Statistics (Python)

Technical Skills

- *Programming Languages*: C++ | C | JavaScript | Java | Swift | SQL | Python
- *Platforms/Tools/OS*: AngularJS, NodeJS, Postgres, GitHub, Home Assistant, Google Client Libraries, GSuite, Microsoft Power Apps, Microsoft Office Suite, Excel, macOS, and iOS.

Experience

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

03/22-Present

- Currently in process of automating data processes using Microsoft Power Apps, SharePoint, OneDrive, Excel, and Qualtrics.
- Manage the primary note-taking and flex plan email account and all associated software including Accommodate, Google Drive, and Microsoft Office Suite.

Projects

08/20-05/21

Backend Team Leader, Pinventory

- 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 JavaScript, React, NodeJS, PostgreSQL, GitHub, Google Client Libraries, PowerSchool API, PDFkit, and Slack.

Co-Creator, ModaYoda

03/22

- Collaborated with a partner to create a project for the HackCU 24-hour hackathon.
- Utilized Python to create a terminal program that used REST APIs to pull motivational quotes and translate them into 'Yoda Speak'. Then, the program sent that translated message to a friend by email or SMS.

Extra Curricular Activities

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

08/21-Present

- In charge of integrating home systems (AC, heating, electric, solar, etc.) by creating a portal with user-friendly design for homeowners.
- Collaborated with team members, Boulder County, and Habitat For Humanity to create affordable housing for residents of the Ponderosa Mobile Home Park in North Boulder.
- To compete in the U.S. Department of Energy's Design and Build Challenge to create a net-zero residential building in order to mitigate climate change and highlight smart technologies.

Mobile App Development Scholar, Kode With Klossy

07/20

- Worked with an all-girl group to learn the basics of Swift as well as develop knowledge of how to succeed in the tech industry.
- Collaborated with partner over Zoom to create a mobile app aimed at teaching and incentivizing youth to develop climate-friendly habits.

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.