Ethan Terrace Harter

hartere@oregonstate.edu | (503) 781-8612 | linkedin.com/in/ethan-harter236 | github.com/EthanHarter934

EDUCATION
Oregon State University - Bachelors in Computer Science, focus in AI **(3.95 GPA)** *Expected Graduation* **June 2027**
Notable Classes: Operating Systems, Algorithms, Software Engineering, Intro to Databases, Data Structures

TECHNICAL SKILLS & TOOLS
Languages: Python, JavaScript, HTML/CSS, SQL, C++, C#, C, Assembly, R
Tools: BERT, React, Node.js, Linux SSH Servers, MySQL, Github, VSCode, Unity

EXPERIENCE
Bonneville Power Administration   **June 2021 - August 2021**
ASE Internship
- Redesigned **30+ animations** for technical training materials
- Worked with professionals to make animations more accurately display information
- Presented work for a symposium in order to **teach** other interns my development process

PROJECTS
Social Media Stance Analysis | Python
- Currently collaborating with a team to analyze public opinion on gun control across Twitter posts using **BERTweet**
- Implementing **topic modeling** with **BERTweet** to group tweets and identify the stances of opposing sides
- Aiming to publish a paper presenting insights on the discussion of gun control on Twitter

Twitter Sentiment Visualization | Python
- Currently analyzing Twitter data from late 2024 using **BERTopic** to visualize sentiment trends across major themes
- Developing interactive visualizations compare sentiment distribution and intertopic distances
- Building a web interface that allows users to explore and filter through sentiment data by theme and topic

Software Engineering Final Project | HTML, CSS, and Javascript
- Built a recipe management website with **React**, using an **Agile/Scrum** framework
- Developed and integrated three microservices to support user authentication and storage for recipes and ingredients
- Allows users to manage recipes, while incorporating inclusivity heuristics for accessibility and usability

Data Structures Final Project | SQL, HTML, CSS, and Javascript
- Built a website using **Node.js** that manages the sales of a fictional physical game store using a **SQL database**
- Implemented **CRUD** operations for each of the six entities which includes a many-to-many relationship
- Iteratively improved the project based on peer feedback from classmates, improving usability and database design

Web Development Final Project | HTML, CSS, and Javascript
- Collaborated with a team of three to develop a multiplayer drawing game with **Node.js** inspired by Telestrations.
- Enabled real-time gameplay with **Socket.io** for lobby creation and passing prompts and drawings.
- My team's project was inducted into the CS290 Hall of Fame for going above and beyond project guidelines

AWARDS
Finley Academic Excellence Scholarship   **September 2024 - Present**
- I was awarded this scholarship for my academic achievements in my time at OSU
- This scholarship represents the rigor of coursework I take to challenge myself and grow as an engineer

Best Presentation   **December 2023**
- I received this award in a reverse engineering class, reflecting my passion for visual communication and organization.

EXTRACURRICULARS
OSU Artificial Intelligence Club   **2025 - Present**
OSU Men's Volleyball Club Officer   **2023 - Present**
Chaos Club Volleyball   **2022 - 2023**
Grant High School Baseball   **2019 - 2022**