Corinne Bradford

1580 NW Newport Ave Apt 40, Bend, Or 97703
360-870-5810 • bradfcor@oregonstate.edu
https://github.com/coribradford

Education

Oregon State University - Cascades   **Jun. 2022**
B.S. Computer Science – Software Engineering | 3.8 GPA   **(Anticipated)**

- **Relevant coursework:** Software Engineering I & II, Software Development, Web-based Startup, Mobile App Development, Data Structures, Web Development, Analysis of Algorithms, Programming Language Fundamentals, Machine Learning & Data Mining
- **Honors:** Dean's List from Fall term 2020 to Spring term 2021; Tau Beta Pi Honor Society

Work Experience

Computer Science Teaching Assistant, Oregon State University - Cascades   **Jan. 2021 – Present**

- Intro to Computer Science 1 & 2, Data Structures
- Debug, test, and assess Python and Java programming assignments for a class of 30+ students
- Conduct weekly study groups, explaining concepts and assisting in labs, projects, and other related materials

7 Years Restaurant and Retail Experience   **Aug. 2013 – Mar. 2020**

- Led teams in fast-paced environments to ensure customer satisfaction and retention
- Handled sensitive documents, including labor and inventory reports, employee schedules, and paychecks

Computer Science Projects

Smart Dog Collar, Undergraduate Research Project   **Jan. 2021 – Present**

- Ongoing research project to construct a smart dog collar using a microcontroller and sensors
- Utilizing data collected from prototypes and Machine Learning algorithms to detect and correctly identify seizures in canines
- Implement Tensorflow models on Arduino hardware

Wikipedia Search Engine   **Jun. 2021 – Aug. 2021**
https://github.com/coribradford/web_app

- Architected and developed a web based application to scrape Wikipedia
- Utilized HTML/CSS, Python, and Flask frameworks, and integrated external APIs to interface with Wikipedia and Youtube
- Developed using Jira project management and the Agile software development process

Skills

- Team-oriented, problem-solving, multi-tasking, analytical thinking, written and verbal communication, customer service
- Programming Languages: Python, Ruby, Java, Java script, HTML/CSS, SQL, C/C++, Matlab, Raku
- Git/Github Version Control, Machine Learning Algorithms & Tensorflow models, Flask frameworks, Agile development process