**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**

B.S. Computer Science – Software Engineering | 3.8 GPA

* **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

* 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**

* 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**

* 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**

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

**Jun. 2022 (Anticipated)**

**Jan. 2021 – Present**

**Aug. 2013 – Mar. 2020**

**Jan. 2021 – Present**

**Jun. 2021 – Aug. 2021**