Corinne Bradford

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https://github.com/coribradford

Education

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

Work Experience

Computer Science Teaching Assistant, Oregon State University - Cascades — **Jan. 2021 – Present**
- Intro to Computer Science 1 – Winter 2021
- Intro to Computer Science 2 – Spring 2021
- Data Structures – Fall 2021
- Assisted professor in evaluating student work and project submissions
- Worked with students to enhance understanding of subjects and work through problems

7 Years Restaurant and Retail Experience — **Aug. 2013 – Mar. 2020**
- Supervised employees, managed inventory reports, oversaw scheduling and cash handling

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 recognize seizures in canines

Wikipedia Search Engine — **Jun. 2021 – Aug. 2021**
https://github.com/coribradford/web_app
- Created a web app that searches articles on Wikipedia; returns and displays relevant searched info. Includes random article and featured article functions.
- Implemented utilizing the Agile software development method

Nand2Tetris — **Sept. 2020 – Dec. 2020**
https://github.com/coribradford/nand2tetris
- Utilized a hardware simulator to build a computer from elementary logic gates using basic machine language

Data Structures Jupyter Notebook — **Sept. 2020 – Dec. 2020**
https://github.com/coribradford/data_structures_handbook
- Created a Jupyter notebook of basic data structures, their API and efficiencies, and code snippets from implementations

Skills

- Coding: Python, Java/Java script, SQL, C/C++, Matlab, VBA
- Familiar with Machine Learning Algorithms & Tensorflow models

Awards & Honors

Tau Beta Pi Honor Society — **May 2020 – Present**
- Oldest engineering honor society in the United States
- Invitation based on academic achievement and character

Dean's List — **Sept. 2020 – Jun. 2021**
- Maintain a minimum 3.5 GPA while enrolled in at least 12 credits