**Corinne Bradford**

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https://github.com/coribradford

# Education

**B.S. Computer Science – Software Engineering**

Oregon State University - Cascades, Bend, OR - 3.8 GPA

# Work Experience

**Computer Science Teaching Assistant**, Oregon State University - Cascades

* 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**

* Supervised employees, managed inventory reports, oversaw scheduling and cash handling

# 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 recognize seizures in canines

**Wikipedia Search Engine**

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**

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**

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**

* Oldest engineering honor society in the United States
* Invitation based on academic achievement and character

**Dean’s List**

* Maintain a minimum 3.5 GPA while enrolled in at least 12 credits

**Jun. 2022 (Anticipated)**

**Jan. 2021 – Present**

**Aug. 2013 – Mar. 2020**

**Jan. 2021 – Present**

**Jun. 2021 – Aug. 2021**

**Sept. 2020 – Dec. 2020**

**Sept. 2020 – Dec. 2020**

**May 2020 – Present**

**Sept. 2020 – Jun. 2021**