Tom Jacobson

425-829-3251 | tjacobson612@gmail.com

Education

Master's of Computer Science
Portland State University **|** Sept. 2020 - Present
Expected Graduation: June 2024, GPA: 3.96

Bachelor's of Business Administration
Western Washington University **|** 2016

Technical Skills

Python, C++, C, Java, Html, CSS, Javascript, Linux, Git.

Projects

Trivia Bot | August 2022 **|** github.com/tomjacobson612/Foodie_Bot
- Discord bot written in python using Discord Developer API and Pycord.
- Core features: trivia game, dice roller, and bot interaction with user messages.
- Hosted with Google Cloud compute engine.

Sudoku Solver | May 2022 **|** github.com/tomjacobson612/Sudoku-Solver
- Python program utilizing a backtracking algorithm to solve a given sudoku board.
- Core features: backtracking algorithm and graphical user interface.
- Utilizes Sugoku API to generate random sudoku boards at run time.

Fake News Detector | November 2021 github.com/tomjacobson612/fake_news_classifier
- Predicts the validity of news articles based on the text of the article.
- Trained on a sample data set containing both real and fake news articles.
- Core technologies: TF-IDF vectorizer and Passive Aggressive Classifier from Pandas and Sklearn libraries.

Work Experience

TCSS | Portland State University **|** Portland, OR **|** January 2022 – Present
- Provide tutoring and project help to students.
- Guide students through weekly labs designed to bolster learning.
- Practice concepts including debugging, data structures, algorithms, and program design.

Store Staff | Mud Bay Inc. **|** Seattle/Portland, WA/OR **|** August 2017 – March 2021
- Gave personalized pet food recommendations and provided general customer service.
- Completed year-long course on Dog and Cat nutrition.

Manager of Online Sales | Dark Tower Games **|** Bellingham, WA **|** June 2016 – August 2017
- Manage shipping and receiving of merchandise being sold through the online store.
- Created an online presence for the store and increased revenue by 30% per month.
- Standardized systems for running the store's online sales.