Trevor Ortega

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Education:

- **Western Washington University** — Bellingham, WA

  Computer Science: B.S; GPA: 3.60 — Sept. 2018 – June 2022 (Expected)

  - Relevant Coursework: Data Structures, Analysis of Algorithms, Object Oriented Design, Computer Systems

Experience:

- **Faithlife Corporation** — Bellingham, WA

  Software Development Intern — Jun. 2020 - Present

  - Working with a small team, using a C# ASP.Net backend to process transactions.
  - Utilizing a JavaScript front-end with Node and React to allow users to visualize and manage donations.
- **Western Washington University** — Bellingham, WA

  Undergrad Research Assistant — Dec. 2019 - Present

  - In collaboration with an Ecology Professor at WWU, using a modified Object Detector in Pytorch to detect various species of birds and bird nests from overhead drone imagery.
  - Working alongside a small team, used Python to scrape and format terabytes of livestream data, and aided in training a Computer Vision model to detect unique video frames from livestreams.
- **Jethro Mobile LLC** — Bellingham, WA

  Web Development Intern — Jan. 2020 – March 2020

  - Independently built website pages and improved UI/UX features.
  - Improved search engine optimization through encoded HTML and JSON-LD data formatting.

Personal Projects:

- **Membership Prediction for SPIE Organization**
  - As a part of a small team, I developed machine learning models for a non-profit business.
  - Predicted the membership type of website users with over 92% accuracy.
- **Tweet Synthesizer**
  - Designed and deployed a full-stack web application using the Django Framework.
  - Utilized Markov Chains and an open source Twitter scraper in order to create new Tweets.
  - Currently hosted on Heroku at: https://tweet-synthesizer.herokuapp.com/
- **Stock Market Predictor**
  - Developed and deployed a full-stack web application in the C# ASP.NET MVC framework.
  - Uses dynamic graphs to display all market predictions based on an original formula.
- **Neural Network: Hackathon Entry**
  - Wrote a Neural Network from scratch in Python, without Machine Learning libraries, for an online Over-Engineering themed Hackathon.

Skills:

- Languages: Python, Java, C#, C, JavaScript HTML, CSS
- Tools: React, Node, Django, ASP.NET MVC, Microsoft Azure, Git, Unix, Vim, Tmux
- Concepts: Data Structures & Algorithms, Object-Oriented Design, Web Design, ML / AI, Computer Vision