

Trevor Ortega

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Education:

- **Western Washington University** Bellingham, WA
Computer Science: B.S | GPA: 3.63 Sept. 2018 – Jun. 2022 (Expected)
 - Relevant Coursework: Data Structures, Analysis of Algorithms, Object Oriented Design, Computer Systems
 - Member Organizations: Society of Professional Hispanic Engineers, WWU AI Association, WWU Whiteboard Coders, WWU Ski and Snowboard Club

Experience:

- **SPIE, the International Society for Optics and Photonics Technology** Bellingham, WA
[Software Development Intern](#) Oct. 2020 (Expected) – Mar. 2021
 - Will be using the C# ASP.NET MVC framework to develop web applications for hosting photonics research.
- **Faithlife Corporation** Bellingham, WA
[Software Development Intern](#) Jun. 2020 – Present
 - Working with a small team, using a C# ASP.NET backend to process payment transactions.
 - Improving visualizations and management of donations with JavaScript React.
- **Western Washington University** Bellingham, WA
[Undergrad Research Assistant](#) Dec. 2019 - Present
 - In collaboration with an Ecology Professor at WWU, using Deep Learning models in Pytorch to detect various species of birds and bird nests from overhead drone imagery.
 - Used Python to scrape and format terabytes of livestream data, aided in training a Computer Vision model to detect unique video frames from livestreams, on behalf of a Graduate Research Project.
- **Jethro Mobile LLC** Bellingham, WA
[Web Development Intern](#) Jan. 2020 – Mar. 2020
 - Independently built website pages and improved UI/UX features.
 - Improved search engine optimization through encoded HTML and JSON-LD data formatting.

Skills:

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

Personal Projects:

- **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.
- **Membership Prediction for SPIE**
 - 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.