Trevor Ortega Email: Trevor.Ortega.12@gmail.com

linkedin.com/in/trevortega  |  trevortega.github.io/personal Mobile: 602.740.0614

Education:

* **Western Washington University** Bellingham, WA

Computer Science: B.S | GPA: 3.63 *Sept. 2018 – Mar. 2022 (Expected)*

* Relevant Coursework: Data Structures, Analysis of Algorithms, Object Oriented Design, Computer Systems
* Member Organizations: Society of Hispanic Professional Engineers, WWU CS Distinguished Scholars, WWU AI Association, WWU Whiteboard Coders

Experience:

* **SPIE, the International Society for Optics and Photonics Technology** Bellingham, WA

Software Development Intern *Oct. 2020 –Present*

* Using the C# ASP.NET MVC framework to develop web applications for hosting photonics research.
* **Faithlife Corporation** Bellingham, WA

Software Development Intern *Jun. 2020 – Sept. 2020*

* Working within a small team, upgraded REST API routes and C# ASP.NET methods to aggregate thousands of payment transactions.
* Improved visualizations and analytics of donations for hundreds of organizations with JavaScript React.
* **Western Washington University** Bellingham, WA

Undergrad Research Assistant *Dec. 2019 - Present*

* In collaboration with Political Scientists at the University of Pennsylvania, using Deep Learning techniques in PyTorch in order to detect political borders from satellite imagery.
* In aid of a graduate research project, utilized Python to scrape/process terabytes of livestream data and trained a Computer Vision model to detect unique video frames from livestreams.
* **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 Development, ML / AI, Deep Learning

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.
  + Used dynamic graphs to display all market data based on a novel prediction formula.
* **Membership Prediction for SPIE** 
  + As a part of a small team, developed machine learning models for a non-profit business.
  + Predicted the membership type of website users with over 92% accuracy.