

# Trevor Ortega

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## Education:

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

- **SPIE, the International Society for Optics and Photonics Technology** Bellingham, WA  
[Software Development Intern](#) *Oct. 2020 (Expected) – Mar. 2021*
    - Will be using a C# ASP.NET MVC framework to develop web applications for hosting photonics research.
  - **Faithlife Corporation** Bellingham, WA  
[Software Development Intern](#) *Jun. 2020 – Present*
    - Working within a small team, using a JavaScript React frontend and C# ASP.NET backend to process and display 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 Science Professors 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.
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## 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
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## 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.