

# EMILY WEST

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## EDUCATION

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- MS**     Oregon State University, Computer Science  
            Estimated graduation, Spring 2025
- BS**     Western Oregon University, Computer Science  
            3.59/4.00 GPA

## HONORS AND AWARDS

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| <b>Academic Honor Roll</b>          | 2019-2023 |
| <b>GNAC Academic All-Conference</b> | 2021-2022 |

## RELEVANT COURSEWORK

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|---|-----------------------|
| <b>Machine Learning, AI 534</b> <ul style="list-style-type: none"><li>• Currently Enrolled</li></ul>  | Fall 2023             |
| <b>Intro to Computer Graphics, CS 550</b> <ul style="list-style-type: none"><li>• Currently Enrolled</li></ul>  | Fall 2023             |
| <b>Software Engineering I, II, and III, CS 460</b> <ul style="list-style-type: none"><li>• Created a social media platform called “Watch Party”</li><li>• Used ASP.NET core 6.0 and MVC</li><li>• Utilized Agile principles and managed requirements using Scrum</li><li>• Created cloud-hosted database driven web applications using a professional environment that utilizes modern API’s, technologies, and standards</li><li>• Utilized TDD methodologies while writing unit tests and mocking</li></ul> | Fall 2022-Spring 2023 |
| <b>Cybersecurity and Professional Practices, CS 463</b> <ul style="list-style-type: none"><li>• Final Grade: A-</li><li>• Discussed ethical issues pertaining to the tech industry and how to resolve them</li><li>• Created a final paper and presentation discussing the importance of the Hispanic community in STEM and the tech industry</li></ul>   | Fall 2022             |
| <b>Microservices Architecture, CS 465</b> <ul style="list-style-type: none"><li>• Final Grade: B</li><li>• Learned the value of architectural design patterns that focus on loosely coupled services</li><li>• Assembled end-user facing applications comprised of microservices</li></ul>  | Winter 2022           |

- Designed, created, tested, deployed, and integrated microservices using web frameworks, continuous integration tools, and cloud hosting platforms

**Applied Discrete Mathematics, MTH 354**

Fall 2020

- Final Grade: A

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**TEACHING EXPERIENCE**

**Western Oregon University, Monmouth, OR**

Sept 2020 to Dec 2020

**Teaching Assistant, Mathematics**

- Teaching assistant for Elements of Discrete Mathematics II, MTH 232, an undergraduate course containing six students
- Topics included: study of exponential, logarithmic, and discrete functions, analysis of algorithms, sequences and strings, enumeration, matrix algebra and systems of linear equations
- Responsibilities included: grading assignments, grading quizzes and tests, assisting students with feedback

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**RESEARCH INTERESTS**

- Artificial Intelligence and Machine Learning
- Data Science
- Software Engineering
- Diversity and Inclusion

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**PROGRAMMING SKILLS**

- 1 year each of C# and Python experience
- Other experience in: JavaScript, SQL, C, Haskell, and Prolog
- Agile and Scrum
- External APIs
- Database Management
- ASP.NET Core 6.0 and MVC
- Deployment with Azure
- Git and GitHub
- Test Driven Development
- Object Oriented Programming
- Requirements analysis and design modeling tools

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**PERSONAL ATTRIBUTES**

- Problem Solving
- Critical Thinking
- Detail oriented
- Work ethic
- Effective communication
- Perseverance

- Teamwork and collaboration skills
- Time management
- Leadership
- Adaptability