

# Madeline Spawn

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## EDUCATION

<b>Oregon State University</b> <i>Master in Artificial Intelligence</i>	Corvallis, OR Sep. 2023 – June 2025
<b>Oregon State University</b> <i>Bachelor of Science in Computer Science</i>	Corvallis, OR Sep. 2022 – June 2024

## EXPERIENCE

<b>Artificial Intelligence Research Assistant Intern</b> <i>Keywords Studios</i> <ul style="list-style-type: none"><li>Optimized prompts based on feedback and Model performance</li><li>Collected and curated data for AI model training and evaluation</li><li>Collaborated with research and engineering teams to implement and validate model enhancements</li><li>Utilized remote work tools such as Slack and Microsoft Teams</li></ul>	June 2023 – Present <i>Remote</i>
<b>Information Technology Student Support Specialist</b> <i>Oregon State University</i> <ul style="list-style-type: none"><li>Efficiently and effectively handled incoming calls and tickets, providing technical support for software and hardware issues.</li><li>Proficiently troubleshooted diverse software and hardware problems, diagnosing and resolving issues to ensure smooth IT operations.</li><li>Utilized excellent communication skills while effectively assisting end-users, delivering exceptional customer service and resolving technical inquiries.</li></ul>	Nov. 2022 – Present <i>Corvallis, OR</i>

## PROJECTS

<b>Sentiment Analysis</b>  <ul style="list-style-type: none"><li>Developed an AI Yelp review categorizer using Python and Machine Learning</li><li>Trained the model with Yelp review dataset, achieving accurate positive/negative classification of 90 percent and above on the data set and 80 percent and above on a test set.</li><li>Implemented feature extraction techniques like bag-of-words, fine-tuned model's data extraction and evaluated its high performance</li></ul>	June 2023 – July 2023
<b>Eight Puzzle Solver</b>  <ul style="list-style-type: none"><li>Developed an Eight Puzzle AI model using A* search algorithm and multiple heuristics for optimal solutions.</li><li>Optimized algorithm by minimizing duplicate computations with open set, closed set technique.</li><li>Implemented heuristic functions (e.g Manhattan distance, misplaced tiles) to estimate distance to goal state and analyzed their performance using Matplotlib.</li></ul>	May 2023 – May 2023
<b>small.sh</b>  <ul style="list-style-type: none"><li>Implemented three commands (exit, cd and status) in the shell. Forked all other commands.</li><li>Programmed a background and foreground capability.</li><li>Implemented signals that prevent background and then allow background actions.</li></ul>	Feb 2023
<b>Coffee Companion</b>  <ul style="list-style-type: none"><li>Designed and developed a responsive and user-friendly web page using JavaScript, CSS, and HTML.</li><li>Implemented backend functionality using Node.js and Express.js, allowing for dynamic data retrieval and manipulation.</li><li>Worked to integrate backend with front end aspects of web page.</li></ul>	Nov 2022 – Dec 2022

## TECHNICAL SKILLS

**Languages:** Python, C, C++, SQL, JavaScript, HTML/CSS, R, MATLAB  
**Frameworks:** Node, React.js  
**Developer Tools:** Git, Github, VS Code, Visual Studio, PyCharm, CLion  
**Libraries:** Matplotlib