

Thuy-Vy Nguyen

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EDUCATION

Oregon State University — Honors B.S. in Computer Science

Expected Graduation: June 2021

- Focus in Human Computer Interaction with minors in Math and Psychology and a 3.94 GPA
- Involvement: IMPACT Lead Volunteer, Society of Women Engineers Ambassador, ProjectX Volunteer
- Courses: Cloud Development, Artificial Intelligence, Algorithms, Linear Algebra, Numerical Analysis

EXPERIENCE

Oracle — Software Engineer Intern

June 2020 – September 2020

- Developed an application for Slack that allows users to receive notifications for changes in their automated deployment's status.
- Implemented a database schema in SQL and directed Oracle Cloud Infrastructure's internal deployment service to call Slack using Java and Slack's APIs.

Data Interaction and Visualization Lab — Project Assistant

June 2020 – Current

- Utilize D3.js to create interactive data visualization tools for users to more easily explore, interpret, and interact with machine learning and large datasets.
- Projects include interactive confusion matrices and interactive visualizations that help users find discrepancies between their testing and training data.

TAHMO Project — Undergraduate Web Developer

October 2020 – Current

- Maintain and improve the Network Management and Trouble Ticketing system to handle trouble and maintenance tickets for weather stations in Africa using AngularJS, MongoDB, and IBM Cloud.

Oregon State University College of Engineering — CS & Math Tutor

September 2019 – November 2020

- Assisted students to effectively plan, design, and debug their programming in classes such as Algorithms and Data Structures and develop their math proficiency in Linear Algebra, Calculus, and Discrete Math.
- Created real-life examples and analogies tailored to each student to explain course content.

Oregon State University Honors College — Web Editor

October 2019 – June 2020

- Utilized Drupal, WordPress, HTML, and CSS to maintain the Honors College website, blog, and databases that are used as primary resources for Honors College members.
- Designed and updated website to improve accessibility and user experience.

Appcessori Corporation — Intern

June 2019 - August 2019

- Re-factored front-end user interface to increase clarity and improve experience for users.

RESEARCH

CARVE Lab — Psychology Research Assistant

January 2019 – Current

- Collected participant data on the impact of augmented reality on a user's learning ability.
- Designed study that aims to improve design of automated vehicles for pedestrian user experience.

URSA Engage — Undergraduate Researcher

January 2019 – June 2019

- Modeled real-life terrain in virtual reality using Unreal Engine and analyzed potential effects of climate change by simulating environmental catastrophes.

SKILLS

- **Languages:** Python, C++, C, Java, Haskell, Bash, R, MATLAB, Vietnamese
- **Web Development:** HTML, CSS, JavaScript, Node.js, D3.js, AngularJS, Bootstrap, Drupal, WordPress
- **Tech:** Linux, World Viz, Git, IntelliJ, Jira, Confluence, MySQL, MongoDB, Docker

AWARDS

- Robert Ragel Scholarship, URSA Engage Research Grant, COE Dean's List, First Year EECS Scholarship