Thuy-Vy Nguyen

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EDUCATION

Oregon State University — *Bachelor of Science, Computer Science*   *Graduating June 2021*
- Focus in Human Computer Interaction minoring in Psychology with a 3.96 GPA
- Involvement: IMPACT Lead Volunteer, Society of Women Engineers Ambassador, ProjectX Volunteer
- Courses: Cloud App Development, Artificial Intelligence, Algorithms, Linear Algebra, Engineering Psych

EXPERIENCE

Oracle — *Software Engineer Intern*   *June 2020 – September 2020*
- Developed an application that allows users to receive notifications for changes in their automated deployment's status in Slack.
- 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 — *EECS Project Assistant*   *June 2020 – Current*
- Utilized D3.Js to create interactive data visualization tools to help users find discrepancies between their testing and training data used in machine learning algorithms.
- Designed and implemented interface to easily create video highlights using image and text classification using Svelte and Python.

TAHMO Project — *Undergraduate Developer*   *October 2020 – Current*
- Maintained and improved the Network Management and Trouble Ticketing system to handle trouble and maintenance tickets for weather stations in Africa using Angular.JS, MongoDB, and IBM Cloud.

CARVE Lab — *Psychology Research Assistant*   *January 2019 – December 2020*
- Collected participant data on the impact of augmented reality on a user's learning ability.
- Helped design study that aims to improve design of automated vehicles for pedestrian user experience.

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.

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.

Appcessori Corporation — *Intern*   *June 2019 - August 2019*
- Re-factored front-end user interface to increase clarity and improve experience for users.
- Collected and organized data for headphone calibration team that was used to improve products.

PROJECTS

Interactive Visualization for AI Education: Creating interactive and educative tools for users to learn about machine learning classification algorithms using Jupyter Notebooks, Javascript, D3.js, and Python.

URSA Engage: Awarded research funding to model 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, SQL, Haskell, Bash, R, MATLAB, Vietnamese
Web Development: React, Svelte, HTML, CSS, JavaScript, Node.Js, D3.Js, AngularJS, Bootstrap, Drupal
Tech: Linux, Git, IntelliJ, Jira, Confluence, MongoDB, Docker