

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 Developer

Incoming July 2021

- Shepherd Deployment Automation Team at Oracle Cloud Infrastructure

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 developed video search interface to easily create video highlights using image and text classification using Figma, Svelte, Javascript, and Python. Research paper currently in review.

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 AngularJS, MongoDB, and IBM Cloud.
- Implemented email notifications and reminders for status changes on maintenance tickets for weather sensors and ticket issues past due date.
- Provided users with more functionalities and control over tickets for a cleaner and more efficient experience as well as improved the system's speed and performance.

Develop For Good — Volunteer Full Stack Developer

April 2021 – Current

- Matched with ideas42 to create Vergil, a web app designed to help probationers and parolees navigate their case plan responsibilities one step at a time using React, Storybook, SQL, and Figma.

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.

Oracle — Software Engineer Intern

June 2020 – September 2020

- Developed an application to send Slack notifications on status changes on automated deployments.
- Implemented a database schema in SQL and directed Oracle Cloud Infrastructure's internal deployment service to call Slack using Java and Slack's APIs.

PROJECTS

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

Spotify Interactive: Website for users to learn and interact with their Spotify music taste with statistics and cat visualizations made with React and Spotify Web API.

URSA Engine: Awarded 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, JS, Node.js, D3.js, AngularJS, Bootstrap, Storybook, Drupal

Tech Tools: Linux, Figma, Git, IntelliJ, Jira, Confluence, MongoDB, Docker