

Thuy-Vy Nguyen

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EDUCATION

Oregon State University — *Bachelor of Science, Computer Science* *Graduated 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

EXPERIENCE

Oracle Corporation

Software Developer *July 2021 - Current*

- Shepherd Deployment Automation Team.

Software Engineer Intern *June 2020 – September 2020*

- Developed an application to automatically send Slack notifications when a deployment's status changes; users are able to customize the notifications they receive and where to receive them
- Implemented a database schema in SQL to associate deployments with slack channels and directed OCI's internal deployment service to message Slack channels using Java, Slack APIs, and Guava's EventBus
- SheepDog is being used by over 3000 users and 130 slack channels

Data Interaction and Visualization Lab — *Research Assistant* *June 2020 – June 2021*

- 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 interface to easily create video highlights using image and text classification using Figma, Svelte, Javascript, and Python; conducted user studies to evaluate and write research paper on effectiveness and usability of interface

TAHMO Project — *Undergraduate Web Developer* *October 2020 – June 2021*

- Provided searching, filtering, and order by functionality using AngularJS and MongoDB within the ticketing system for users to have a more controlled, clean, and efficient experience
- Enacted security measures to ensure that only qualified individuals may access specific resources by adding roles to user's profiles
- Managed cloud resources by enacting and overseeing application deployments using IBM Cloud
- Improve system's speed and performance by inspecting network activity and optimizing database queries for resources with poor load performance

PROJECTS

Interactive Visualization for AI Education // React, Tensorflow, Jupyter Notebooks, D3.js, & Python.

Interactive and educative tools split into a web application and notebook that guides users through machine learning classification algorithms such as logistic regression and neural networks

Contrastive Identification of Covariate Shift in Image Data // D3.js & Python

IEEE Visualization Conference 2021 publication that designs and evaluates a visual interface that facilitates the comparison of the local distributions of training and test data

Spotify Interactive // React, Figma, & Spotify Web API

Web application for users to interact with their Spotify music taste with statistics and cat visualizations

SKILLS

Tech Tools & Programming Languages // Python, C++, C, Java, SQL, MongoDB, Docker, Git, & Figma

Web Development // React, Svelte, Node.js, D3.js, AngularJS, Bootstrap, & Storybook