Thuy-Vy Nguyen

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EXPERIENCE

Oracle Corporation

Software Developer   July 2021 - Current
- Maintained service that orchestrates changes to cloud infrastructure and applications with minimal user input
- Executed weekly deployments: coordinated between users, developers, and management, reviewed and tested changes to provide smooth rollout, and monitored systems to investigate if rollbacks/hot-fixes are needed to ensure safety and stability of systems
- Served on user support rotation oncall: acted as first line of immediate support for priority issues, monitored user channel and ticket queue to implement features based on feedback and resolve bugs, and hosted office hours to help users understand how to efficiently and effectively use the team's services.
- Improved user experience in the UI with filtering and searching functionality, re-designed components to have more intuitive design, and offered alternatives to using cli commands
- Created graphs for database connection metrics and alarms for database and validation metrics to alert developers about wasted resources and potential issues

Software Engineer Intern   June 2020 – September 2020
- Developed SheepDog: a Slack application to automatically send customizable notifications when a deployments's status changes; used by over 3000 users and 130 slack channels.
- Implemented a database schema in SQL to associate deployments with slack channels and directed OCI's internal deployment service to message channels using Java, Slack APIs, and Guava's EventBus

Data Interaction and Visualization Lab — *Research Assistant*   June 2020 – June 2021
- Utilized D3.Js to create interactive confusion matrices and visualizations to easily explore, interpret, and interact with machine learning and large datasets.
- Designed and developed interface to easily create video highlights using image and text classification with 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
- Managed cloud resources by enacting and overseeing application deployments using IBM Cloud
- Improved system's speed and performance by over 30% by inspecting network activity and optimizing database queries for resources with poor load performance

PROJECTS

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 used in machine learning algorithms

Spotify Interactive // React, Figma, & Spotify Web API
   Web application for users to interact with their Spotify music taste with statistics and cat visualization

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

SKILLS

Programming Languages // Python, C++, C, Java, Kotlin, Terraform, SQL, Matlab, Haskell, R, & Bash
Tech Tools // MongoDB, Git, Figma, Docker, Jira, Latex, & Confluence
Web Development // React, Svelte, Node.Js, D3.Js, AngularJS, Bootstrap, Blueprint, & Storybook