Thuy-Vy Nguyen

thuyvynguy@gmail.com - linkedin.com/in/thuyvyng - 503.719.9430 - thuyvyng.github.io

EXPERIENCE

Oracle Cloud Infrastructure

Software Developer   *Jul 2021 - Current*
- Supported core deployment automation service used to deploy all of OCI's services and infrastructure to 40+ worldwide regions: assisted service's 5500+ users, participated (and won!) bug bashes, executed deployments, and served on-call to ensure reliability of service
- Implemented key features to improving user experience: filter releases in the UI, customizable filters to automatically create releases, UI alternatives to CLI, and re-designed components to have more intuitive design
- Improved operational load and performance by adding daemons that cancels/archives outdated releases and alarms/graphs for database connection metrics to maintain service health
- Onboarded Cerner's Soarian Clinicals to internal services and developed console UI
- Served as a panelist for new-grad hires and as a mentor for interns

Software Engineer Intern   *Jun 2020 – Sep 2020*
- Developed SheepDog: a Slack application to instantly send customizable notifications when a deployment updates; used in over 500 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 & Visualization Lab, Oregon State — *Research Assistant*   *Jun 2020 – Jun 2021*
- Utilized D3.Js to create interactive confusion matrices and visualizations to easily explore, interpret, and interact with large machine learning datasets; underline research paper accepted apart of IEEE Visualization Conference 2021.
- Designed and developed interface to easily create video highlights using image classification with Figma, Svelte, and Python; conducted user studies to evaluate and write research paper on effectiveness and usability of interface

TAHMO Project — *Web Developer*   *Oct 2020 – Jun 2021*
- Managed cloud resources, enacting and overseeing application deployments using IBM Cloud
- Improved system's speed and performance by over 25% by inspecting network activity and optimizing database queries
- Enacted security measures to restrict resources to qualified by adding roles to user profiles
- Implemented email notifications for ticket updates and automatically subscribing managers and designated technicians on relevant tickets

ideas42 — *Volunteer Software Engineer*   *Apr 2021 – Jun 2021*
- Developed *Vergil*: a web app aimed at reforming the criminal justice system with React, Figma, and Storybook
- Accepted into Develop For Good program, that trains and supports undergraduates to develop products for non-profit organizations in collaboration with the non-profit's team

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

UnPaws the Music — React, Figma, & Spotify Web API
    Web application for users to interact with their music taste with statistics and cat visualization

EDUCATION

Oregon State University — *Bachelor of Science, Computer Science*   *Graduated Jun 2021*
- Focus in Human Computer Interaction, minor in Psychology with a 3.96 GPA
- Coursework: Cloud App Development, Artificial Intelligence, Informational Visualization, Engineering Psychology
- Involvement: IMPACT Lead Volunteer, Society of Women Engineers Ambassador, ProjectX Volunteer

SKILLS

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