Thuy-Vy Nguyen

thuyvy.vercel.app · thuyvynguy@gmail.com · linkedin.com/in/thuyvyng

EXPERIENCE

Oracle

Software Engineer   Jul 2021 - Current
- Supported Oracle Cloud Infrastructure's core deployment automation service used to deploy to 40+ worldwide regions: assisted service's 6500+ users, executed deployments, and served on-call to ensure reliability of service
- Improved UX by re-designing components, adding UI support for CLI exclusive functionality, implementing filtering by release targets in the UI, and implementing automatic release creation via customizable filters using React, Figma, and Blueprint
- Improved operational load/performance and maintained service health by adding daemons that automatically cancels/archives outdated releases and Grafana graphs & alarms for database connection metrics using Java, Terraform, and Docker
- Lead development of Cerner's new internal UI for admins, developed customer facing external UIs, and onboarded Cerner's services to OCI internal services
- Panelist for new-grad hires and a one on one mentor for interns

Software Engineer Intern   Jun 2020 – Sep 2020
- Developed a Slack application, SheepDog, used in 500+ Slack channels to instantly send customizable notifications when a deployment updates
- 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

Research Assistant   Jun 2020 – Jun 2021
- Designed and developed visual analytic tools for users to easily explore, interpret, and interact with large datasets for AI using Flask, Python, Svelte, and D3.js
- Conducted user studies and wrote papers to evaluate usability of interfaces. See Projects & Publications section.

TAHMO

Web Developer   Oct 2020 – Jun 2021
- Managed the weather ticketing system for 20,000+ weather stations in Africa and managed cloud resources and deployments using IBM Cloud
- Updated UI to include filtering, sorting, & ordering using Angular.js and MongoDB
- Inspected network activity and optimized database queries of the ticketing system to improve performance by over 25%
- Enacted security measures and initiated access through assigned user roles
- Implemented automatic notifications and reminders for ticket updates and created automatic subscriptions for relevant managers/technicians

ideas42

Develop For Good Developer   Apr 2021 – Jun 2021
- Used React, Figma, and Storybook to develop Vergil, an app aimed at reforming the criminal justice system
- Develop For Good Volunteer: program that pairs undergraduates with non-profits to build projects aimed at social good

CARVE Lab

Research Assistant   Jan 2019 – Dec 2020
- Conducted user studies to research the impact of augmented reality on a user's performance and effectiveness of learning tasks
- Collaborated on study that aims to improve performance, safety, instruction, and interface design of automated vehicles for pedestrians

URSA Engage

Research Assistant   Jan 2019 – Jun 2019
- Awarded funding to simulate environmental catastrophe on real-life terrain in virtual reality using Unreal Engine to analyze potential effects of climate change

EDUCATION

Oregon State University

Bachelors of Science in Computer Science
- Human Computer Interaction Focus with a Psychology minor
- Summa Cum Laude, 3.96 GPA
- Clubs: IMPACT Lead Volunteer, Society of Women Engineers Ambassador, ProjectX Volunteer

PROJECTS & PUBLICATIONS

UnPaws the Music

Web app that allows users to combine (con-cat-enate) their Spotify playlists and view custom animated cat visualizations based on their listening history

React, Redux, Node.Js, & Spotify Web API

Visual Exploration and Analysis of Videos with Interactive Annotation

Introduces VIVA, a novel interactive tool for visually exploring long videos and searching for specific moments

ACM International Conference on Intelligent User Interfaces 2023

Contrastive Identification of Covariate Shift in Image Data

Introduces a visual interface that explains and identifies dataset shifts to non-experts

IEEE Visualization Conference 2021

ThuyVy Travels!

Interactive globe visualization that shows my travels and photos

React & Globe GL

SKILLS

Python, Java, React, Docker, Terraform, SQL, MongoDB, C/C++, Figma, D3.js, Node.js, Git, Svelte & Kubernetes