

Hoang “Kray” Nguyen

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Motivated student experienced in Agile and Scrum environments. Aims to provide quality work by writing scalable, secure, and maintainable code. School projects included building Java apps, optimizing programs, and unit testing.

Skills: Java, C++, HTML, CSS, JavaScript, Git, Mocha

EXPERIENCE

Sprout Learning

Remote

Software Engineer Intern - Full Stack

Jan 2022 - Mar 2022

- Will be developing features to current existing web apps utilizing Next.js, GraphQL, and Firebase.

Tata Consultancy Services

Remote

Software Engineer Intern - Mulesoft Integrations

June 2021 - Sep 2021

- Designed and implemented REST web service APIs utilizing Mulesoft's Anypoint Platform for developer consumption
- Tested API endpoints using Advanced Rest Client and deployed API to Mulesoft's Cloudhub
- Wrote Python scripts to automate file transferring process in batches ordered by date and data formats
- Collaborated effectively with members of software development team promoting scrum methodologies

Emory University

Remote

Research Assistant - Full Stack Development

May 2020 - Aug 2020

- Closely worked with two professors from the Political Science department to build an R-based web application to enable PoliSci researchers to evaluate and audit US Military networks data
- Built support for authentication and added the ability for users to certify each row of data along with a universal progress-bar
- Used Shiny to build the web application and deployed the application to shiny-app.io
- This project allowed 30+ researchers to complete the data audit using a more intuitive UX and regularly uploaded the data to Dropbox

EDUCATION

Bachelor of Science: Computer Science & Software Engineering

Graduate March 2022

University of Washington - Bothell, WA

- Cum. GPA: 3.61 | Major GPA: 3.74 | Annual Dean's list: 2019-2020
- Relevant Coursework Completed: Data Structures and Algorithm, Java Object-Oriented Programming

PROJECT

Blog Application

<https://github.com/hlongn2469/Blogapp-springboot>

- Built CRUD Rest APIs that allows users to submit posts and comment on the posts using Java Spring Boot, Spring Data JPA (Hibernate), Postman Client, and MySQL database.
- Secured Rest APIs with authentication utilizing Spring Security (JWT)
- Deployed the application on the cloud using AWS Elastic Beanstalk and RDS

Reservation System

<https://github.com/hlongn2469/ReservationSystem>

- Designed a general-purpose reservation system and extended the program to reserve tables and boats for restaurants and boat rental companies using Java, inheritance, class design practices, encapsulation, and generics
- Improved the reservation lexicographic sorting runtime by migrating from bubble-sort to merge-sort

Voting decentralized application

<https://github.com/hlongn2469/Voting-dapp>

- Built a decentralized application on the Ethereum blockchain network that allows the users to cast a vote in an election campaign.
- Tech Stack: Web3js, Nodejs, Solidity, Truffle, Mocha, CI/CD with AWS Amplify