Hung Do

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EDUCATION

University of Massachusetts Amherst
Computer Science (August 2018 - Dec 2022) | Chancellor's Scholarship, Dean's list

TECHNICAL SKILLS

Languages: Java, Javascript, Python, HTML, CSS (Proficient) | PHP, C# (Familiar)
Framework: React, ReactJS, NodeJS, Spring, Laravel
Database: mongoDB, mySQL, Redis

WORK EXPERIENCE

FPT Software, Software Engineer Intern — Dec 2020 - July 2021

- Developed a laboratory real-time monitoring web service for PHCbi (java, javascript) - which is built base on Netflix's microservices structure using Spring Framework.
- Implemented Kafka message broker to improve data storage queueing and Redis to store database cache which helps to eliminate unnecessary queries for rarely use data.
- Upgraded Spring Framework version and other core libraries for a more modern tech stack.
- Refactored code base for better readability and maintainability.
- Developed a website for IIJ (Internet Initiative Japan) (java, PHP) - a portal website to control IIJ's KaaS services.
- Coded a fully working component that implements both client-side and server-side data validation on Vue.js and Laravel framework.

SMAC Innovation JSC, Software Engineer Intern — Jun 2019 - Sep 2019

- Engineered an app to help the truck drivers to manage their fuel costs using React Native.
- Implemented progressive loading and image compression methods to reduce app loading time. App load time reduced by 20-30% compared to the original.

SELECTED PROJECTS

SMAC Innovation JSC, Software Engineer Intern

- Created a fully functional, responsive UI for an e-commerce website using ReactJS.
- Implemented simple token-based authentication and reCAPTCHA to enhance the security of the server-side.

VIRTUAL ANATOMY - C#

- Created an app that allows the user to interact with 3D human anatomy modal by hand using leap motion technology.
- Implemented simple surgery simulations with real physic (liquid, cloth, ...).

AI VIRTUAL TOUR GUIDE - JAVA, C#

- Used speech to text, speech to text along with natural language processing to create a virtual tour guide that can communicate through voice; Implement simple AI to help improve the accuracy of answers trial and error.

HONORS AND REWARDS

- Second Prize National Engineering & Science research competition — 2016
- Top 10 Blue Bird game award — 2017
- Third Prize National Youth Informatics Contest — 2017
- First Prize National Youth Informatics Contest — 2016 - 2017