Khoa (James) Ha

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EDUCATION

University of Manitoba   September 2023 – Present
Computer Science – Mathematics Joint, B.Sc.Honours
- GPA: 4.3/4.5

Thuc Hanh High School - University of Education   August 2020 – May 2023
Graduation Diploma of General Upper Secondary Education
- GPA: 8.8/10.0

Grokking The Coding Interview   May 2022 – December 2022
Educative - Data structure and Algorithms
- Challenging course that help aspiring software engineers learn many essential coding patterns
- Learn to efficiently evaluate the tradeoffs between time and space complexity in different algorithms

Big-O Green 17   October 2020 – March 2021
Big-O Coding - Data structure and Algorithms
- Learn intermediate data structures and algorithms, understanding time and space complexity
- Practice solving real problems, such as computing maximum profit, jobs scheduling, with optimal solutions

TECHNICAL SKILLS

Languages: Javascript, Python, C++, SQL , Typescript, HTML/CSS, R, C#, PHP
Frameworks: React, Express, NextJS, Material-UI, FastAPI, Tailwind Css, Git
Web Technologies: WebSocket, RESTful APIs
Development Practices: Unit Testing (Jest)
Database: MongoDB, MySQL, PostqreSQL, Firebase
Office skills: Google Docs/Sheets/Slides/Forms, Microsoft Word/Excel/PowerPoint/Access

WORK EXPERIENCE

Myria − Software Engineer − Contract Work   December 2023 – Present
NextJS, Typescript,Tailwind Css, Git, Figma   *Winnipeg, Canada*

- Developed a front-end web application with NextJS
- Implemented responsive headers for both desktop and mobile platforms with multiple features.
- Developed responsive Nodes and Tokens pages, ensuring seamless user experience across devices.

Kayapay-AI − Software Engineer − Contract Work   September 2023 – November 2023
NextJS, Typescript, Python, PostgreSQL, FastAPI, Git   *Winnipeg, Canada*

- Engaged in a 3-month contract to develop a full-stack web application using with FastAPI serving a REST API with NextJS as the frontend as well as integrating with AI
- Assisted in receiving data from AI and automatically sending messages to user via a bot
- Building tables and graphs for tracking prices
- Implemented converting AI's data to costly usable data

PROJECTS

Weather Wizard - Weather app   December 2023 – January 2024
NextJS, Typescript, Tailwindcss, Scss
- Spearheaded the design and development of key components and web pages, focusing on user-centric interfaces and functionality.
- Integrating user's location tracker to provide accurate current weather conditions there
- Offering dark and light screen modes
- Providing precise and specific both 7-day and hourly forecast system

Live demo: https://weather-wizard-peach.vercel.app/

Quiz Crafters – Real-time quiz competition   March 2023 – May 2023

React, Javascript,Web Socket, Express, MongoDB, Algorithms
- Led the UI/UX design and programming for gameplay, ensuring engaging and dynamic user interaction.
- Building a system that users are able to create questions, host rooms and invite people to join via a code
- Providing scores table with animations and loser/winner determination screen
- Implementing efficient data structures and algorithms to optimize performance in case of excessive participants

Live demo: https://quiz-crafters.onrender.com/

Portfolio Website   June 2022 – December 2022

React, Javascript, Express
- Managed the complete design and development of the web portfolio, focusing on aesthetic components and amazing navigation
- Implementing navigation animations among pages
- Developing a system that automatically send verification email

Live demo: https://khoaha-web-dev.onrender.com/

Chatter Sphere – Real-time messaging app   January 2022 – March 2022

React, Javascript,Web Socket, Firebase, Material UI
- Directed the UI/UX design and development of the messaging window, incorporating a range of features for enhanced user engagement.
- Offering an array of features, including video calling, sending images, inviting friends, changing conversation's background,...
- Creating real-time system to see who's currently online and typing

Live demo: https://chattersphere-wu4p.onrender.com/

VOLUNTEER EXPERIENCE

AIESEC – Nonprofit Organization   January 2024 – Present

University of Manitoba
- ∗ Take care and ensure members in AIESEC are achieving their goals
- ∗ Set up and be responsible for events

Ke Hoach Nho   August 2012 – May 2014

Hoang Sa and Truong Sa Islands
- ∗ Donating 60 kilograms of obsolete materials, such as newspaper, plastic water, magazines...
- ∗ Involving in visiting and motivating impoverished towns

ACHIEVEMENTS

218 Ly Tu Trong Contest | Mathematics   December 2022

- · Scored 9.25/10 on Calculus and Geometry
- · Placed 2nd out of 30 contestants

Academic Grade | Mathematics   June 2022

- · Achieved 10/10 GPA on Calculus, Algebra and Geometry
- · One of two students that score maximum during the academic year

Soccer Championship District Level | Sports   November 2019

- · Won the silver medal
- · Learnt teamwork, calmness and instant problem solving skills