

Khoa (James) Ha

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EDUCATION

University of Manitoba

September 2023 – Present

Computer Science – Bachelor of Science

- 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

Big-O Orange 17

May 2024 – July 2024

Big-O Coding - Data structure and Algorithms

- Learn advanced data structures and algorithms
- Practice solving real problems with optimal solutions

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

TECHNICAL SKILLS

Languages: Javascript, Python, C++, SQL, Typescript, HTML/CSS, R, C#, PHP, Java

Frameworks: React, Express, NextJS, Material-UI, FastAPI, Tailwind Css, Git

Web Technologies: WebSocket, RESTful APIs

Cloud Technologies: AWS

Development Practices: Unit Testing (Jest)

Database: MongoDB, MySQL, PostgreSQL, Firebase

Office skills: Google Docs/Sheets/Slides/Forms, Microsoft Word/Excel/PowerPoint/Access

WORK EXPERIENCE

Kyna English – Online Tutor – Contract Work

May 2024 – August 2024

Problem solving - Communication

Ho Chi Minh City, Vietnam

- Instructed children aged 4-11 through an online platform.
- Focused on improving their grammar and speaking skills by providing feedback and corrections.

Myria – Software Engineer – Contract Work

December 2023 – February 2024

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

AIIESEC – Nonprofit Organization

January 2024 – May 2024

University of Manitoba

- * Plan committee meetings, events, and workshops
- * Gather data from members and identify bottlenecks to create solutions

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

CERTIFICATES

AWS Certified Cloud Practitioner

October 2024

- Demonstrated knowledge of AWS Cloud fundamentals, including cloud architecture, global infrastructure, pricing models, and security best practices.
- Proficient in core AWS services (compute, storage, databases, and networking), with skills in deploying, managing, and optimizing cloud solutions using AWS.

Credentials: https://www.credly.com/badges/ccddccff-8a4c-4011-b604-059d1266496f/linked_in_profile

