CURRICULUM VITAE

PERSONAL INFORMATION

Full Name:	Khoa Anh Pham
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FORMAL QUALIFICATIONS

Bachelor of Computer Science majoring in Data Science.   June. 2019 – July. 2023
Swinburne University Technology, Australia

ABOUT ME

I am a dedicated software developer specializing in web development, excelling in both full-stack and frontend. With a comprehensive understanding of HTML, CSS, JavaScript, TypeScript, I craft intuitive user interfaces and seamless web experiences. My proficiency extends to backend development using frameworks like Angular and React, enabling me to optimize website performance and implement complex functionalities with ease.

Thriving in the dynamic world of web development, I tackle challenges head-on, translating design concepts into responsive and interactive interfaces. My passion lies in leveraging modern frameworks and libraries to deliver polished, user-friendly experiences. With a strong foundation in both frontend and backend development, coupled with hands-on project experience, I am committed to pushing the boundaries of innovation in web development, creating engaging digital solutions that resonate with users.

ACADEMIC AWARDS

Merit Awards
Subject Merit for exceptional achievement in System and Control Products, awarded by SACE Board of SA, Government of South Australia (2018)

SKILLS, HARDWARE, AND SOFTWARE

Program languages: Ruby**,** Python**,** C++**,** C#**,** PHP

Web Development: HTML, CSS, JavaScript, React, Angular, TypeScript, Next,.js

API: Postman, Swagger Editor, JSON

Design and Prototyping: Adobe XD, Figma

Data Analysis: SPSS Statistics, R and R Studio

Data Visualization: D3.js

Database Management: SQL, MySQL

Network Administration: Cisco Network Devices

Game Development Engine: Unreal Engine 5

3D Modeling: Maya

3D Texturing: Adobe Substance 3D Painter

Embedded Systems and IoT technologies: Arduino, Raspberry Pi

PCB Design

Tools: Git, Visual Studio Code, Excel, Spreadsheet

Operating System: Window, Mac OS

Languages:
- English: Near Native Speakers
- Vietnamese: Fluent

I possess strong problem-solving abilities, which I have honed through practical experiences on various projects at university. For instance, during the development of the Online Bookstore Website, I encountered challenges in optimizing the search functionality for a large product database. I successfully implemented efficient sorting algorithms and data structures, improving search performance and user experience. This hands-on problem-solving experience extended beyond academia, showcasing my ability to tackle real-world challenges effectively.

My excellent analytical skills were put to the test in the Student Record System project, where I had to process and analyze student data to create meaningful insights. By visualizing data trends and designing informative dashboards, I facilitated data-driven decision-making for academic purposes. This project demonstrated my proficiency in handling complex data analysis tasks, which are crucial in both academic and professional settings.

In terms of communication and teamwork, I actively participated in group projects, such as the development of the Online Bookstore Website and the Solar Power Management Mobile App Prototype. In these collaborative efforts, I worked closely with peers to design, develop, and present our solutions effectively. This experience significantly improved my ability to work collaboratively and communicate ideas in team settings.

Furthermore, my passion for staying updated on emerging technologies is evident in my independent project on advanced machine learning techniques. By continuously studying and implementing cutting-edge algorithms in this personal project, I showcased my commitment to ongoing self-improvement and adaptation to industry trends, highlighting my dedication to remaining at the forefront of technological advancements.

WORK EXPERIENCE

Internship Software Developer (Full Stack) at Ellenex   February 2024 – May 2024

As a full-stack developer during my internship at Ellenex, I gained valuable hands-on experience in both frontend and backend technologies. Taking on the role of a web developer and designer, I spearheaded initiatives to enhance and maintain the Ellenex.io platform, implementing crucial improvements to elevate user experience and bolster platform reliability. Collaborating closely with the development team, I identified areas for enhancement and promptly implemented solutions, demonstrating my proficiency in web development and design. Through this experience, I acquired invaluable insights into software development processes and best practices, further honing my skills in the dynamic realm of web development.

Full stack Developer   July 2023 – present

Project: Advanced Technologies for Water Management & Treatment in Aquaculture
Location: Binh Dinh Province, Vietnam
Funding Body: Vietnamese Ministry of Science and Technology
Duration: 2022 – 2025

Responsibilities and Achievements:
- Lead the development of a comprehensive web platform for the visualization and management of multiple aquaculture ponds as part of a significant project funded by the Vietnamese Ministry of Science and Technology.
- Spearhead both front-end and back-end development, integrating technologies such as D3.js, PHP, SQL, React, HTML, CSS, SQL and PHP to deliver a highly functional and user-friendly interface.
- Collaborated effectively in a multidisciplinary team, contributing to the successful implementation of advanced water management and treatment technologies in the Binh Dinh province.
- Maintained stringent adherence to confidentiality protocols, ensuring the secure and ethical handling of sensitive project data.

Note: The project is currently at a confidential stage. For further information or inquiries, please contact the Project Manager, Dr. Thien Nguyen, at thien.nguyen@torrens.edu.au.

Full Stack Freelancer   2020 – present
I have good experience in creating a website for clients on Fiver using vanilla HTML, CSS, PHP, SQL, and JavaScript or using Angular and React framework

Video Editing   2019 – present
I have good experience editing YouTube videos for my clients using Adobe Premiere Pro.

PROJECTS

Please visit my portfolio https://khoaphams.com/ to view the projects I have completed.

CERTIFICATION

Prepare Data for Exploration – Coursera   Sep 2, 2023
https://coursera.org/share/a592f9f6f7a5c3998403c4e85864133f

Ask Questions to Make Data-Driven Decisions – Coursera   Aug 11, 2023
https://coursera.org/share/116ecf06180d7634022d8f12ad7f24b7

Foundations: Data, Data, Everywhere – Coursera   Jul 26, 2023
https://coursera.org/share/e21fd9db87f96548bb294e3a116fb0ed

REFEREES

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