

CURRICULUM VITAE

PERSONAL INFORMATION



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FORMAL QUALIFICATIONS

Bachelor of Computer Science majoring in Data Science.
Swinburne University Technology, Australia

June. 2019 – July. 2023

SACE(South Australia Certificate of Education)
Norwood Morialta High School

Feb. 2013 – Nov. 2018

ABOUT ME

I am a dedicated software developer with expertise in full-stack and frontend web development. Skilled in HTML, CSS, JavaScript, and TypeScript, I craft intuitive interfaces and efficient web solutions. Proficient with Angular and React, I optimize website performance and integrate advanced functionalities smoothly.

I thrive in the dynamic field of web development, transforming design concepts into responsive, interactive platforms. My passion lies in leveraging modern technologies to deliver polished, user-friendly experiences. With a strong foundation in both frontend and backend development, I am committed to pushing the boundaries of innovation, creating engaging digital solutions.

In addition to my software development skills, I also have hardware knowledge of computer parts and experience in installing and diagnosing hardware issues as a hardware technician. I am well-versed in Windows OS, ensuring smooth and efficient system performance.

Please visit my portfolio at: <https://khoaphams.com/> to explore my projects, skills, and academic background.

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,

Mainframe: Cobol, IMS, Assembler and DB2

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 RStudio

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, Bitbucket, Visual Studio Code, Excel, Spreadsheet

Operating System: Window, Mac OS

Languages:

- English: Near Native Speakers
- Vietnamese: Fluent

I have developed strong problem-solving skills through practical projects at university, such as optimizing the search functionality in an Online Bookstore Website. By implementing efficient sorting algorithms and data structures, I enhanced search performance and user experience, demonstrating my ability to address real-world challenges.

My analytical skills were also tested in the Student Record System project, where I processed and analyzed student data to generate meaningful insights, using data visualizations and dashboards to support data-driven decision-making.

In team settings at Ellenex, I worked alongside other interns, hardware teams, and was guided by a main software developer mentor. These collaborations significantly enhanced my communication and teamwork skills.

Additionally, my passion for emerging technologies is reflected in my independent study of advanced machine learning techniques, emphasizing my commitment to continuous learning and staying current with industry trends.

WORK EXPERIENCES

Software Engineer at ANZ

Feb 2024 – present

- Coding, scripting, and participating in design/code reviews
- Involved in architectural, data model, and business logic discussions
- Developing and maintaining applications using COBOL, IMS, Assembler, and DB2
- Interpreting business and technical requirements to deliver efficient solutions
- Applying coding and analytical skills across the full system development lifecycle
- Estimating development effort and timelines
- Automating builds and deployments using CI/CD pipelines
- Monitoring application performance and supporting continuous improvement
- Taking on additional tasks and responsibilities as required

Technician Hardware at Centre Com Adelaide

July 2024 – Jan 2025

- Building PCs
- Determines software and hardware requirements to provide solutions to problems
- Responds to queries on software and hardware problems
- Installs and downloads appropriate software
- Adapting existing programs to meet users' requirements
- Ensuring efficient use of applications and equipment
- Implementing computer networks, designing and maintaining websites
- Repairing and replacing peripheral equipment such as terminals, printer and modems
- Customer service desk
- Answer phone call
- SAP Software
- Experience with Hardware Benchmarking Tools
- Data Recovery and Backup Solutions
- Understanding of Hardware Compatibility and Requirements

Internship Software Developer (Full Stack) at Ellenex

February 2024 – May 2024

During my internship as a Full Stack Developer at Ellenex, I gained hands-on experience across both front-end and back-end technologies. In my role as a web developer and designer, I led initiatives to enhance and maintain the Ellenex.io platform, focusing on implementing crucial improvements to elevate user experience and enhance platform reliability. Working closely with the development team, I identified areas for enhancement and swiftly executed solutions, showcasing my proficiency in web development and design. This role provided me with invaluable insights into software development processes and best practices, sharpening my skills in the dynamic field of web development.

- Designed a new RBAC for Ellenex using Figma.
- Created a new dashboard layout prototype in Figma, designed with rebranding considerations in mind.
- Implemented the new dashboard design from Figma onto Ellenex.io using the Angular Framework.
- Addressed bugs based on feedback from customers and the hardware teams using TypeScript.
- Implemented data collection from IoT devices with APIs and displayed it on charts using ApexChart.js.
- Transitioned logic from the frontend to the backend, moving from TypeScript to Go.
- Fixed frontend logic issues with TypeScript.
- Refactored Ellenex API documentation using Swagger Editor.
- Tested API endpoints using Postman.
- Created a single-page web application using Angular to display all APIS IoT device endpoints for Ellenex, integrating Swagger UI.

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

March 2020 – present

- I have good experience in creating Single Page Applications for clients on Fiverr using vanilla HTML, CSS.
- I have good experience in creating websites using modern frameworks such as Angular, Next.js, React ... and backend with node.js.

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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Additional references available upon request.