CURRICULUM VITAE

PERSONAL INFORMATION

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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 have recently completed my Bachelor of Computer Science at Swinburne University, majoring in Data Science. I am interested in data work such as finding patterns and trends in datasets to uncover insights and forecast outcomes. I am also inspired to innovate ideas and techniques for creating software that help people have an easier, efficient, and enjoyable life.

My strongest attribute is my determination. I take on every challenge head-on and do what I need to accomplish my goals, even when the challenge is difficult. Every time I faced a new challenge in my previous projects, whether it was leading my first team project or meeting a quick deadline, I always enjoyed stepping up and demonstrating my skills to come up with a quick solution.

Frontend development has always sparked my interest. With the knowledge I have gained and some experience of group projects while studying at Swinburne and some self-planned projects, I am confident that my knowledge and experiences would be useful to the Computer Science industry.

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

Design and Prototyping: Adobe XD

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.

PROJECTS

1. Online Bookstore Website
   - Developed a responsive e-commerce website using HTML, CSS, and JavaScript.
   - Implemented user authentication and product search functionality.
   - Utilized MySQL for database management to store user data and product information.

2. Student Record System
   - Designed and implemented a Java application to manage student records.
   - Created a graphical user interface (GUI) for easy data entry and retrieval.
   - Employed object-oriented programming principles for code organization.

3. Solar Power Management Mobile App Prototype
   - Independently developed a mobile app prototype for solar power management using Adobe XD.
   - Designed an intuitive user interface to monitor and optimize solar energy production.
   - Implemented features for real-time data tracking, energy consumption analysis, and remote control of solar panels.
   - Demonstrated strong skills in UI/UX design and prototyping for sustainable energy solutions.

4. Add Friend Website
- Designed and developed a social networking website using HTML, CSS, JavaScript, PHP, and SQL.
- Implemented user registration and login systems with secure authentication.
- Created a dynamic user interface for adding and managing friends.
- Utilized SQL for database management to store user profiles and friend connections.
- Demonstrated proficiency in web development and database integration for a social networking platform.

WORK EXPERIENCE

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.

Frontend Freelancer   2020 – present
I am working as a freelancer on Fiver to have more experience in developing frontend using programming languages including React.js and JavaScript.

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

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

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

REFERENCES

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