Anh Duc (Jackson) Phan

SOFTWARE ENGINEER

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Experience

Software Engineer - IT Infrastructure and Digitalisation   *Wacol, Australia*

Volvo Group Australia   *May 2023 - October 2023*

- Assisted with coordinating small activities and projects delivered locally and overseas
- Documented of solutions and training material preparation where applicable
- Analysed the local adaptations in the legacy applications and found possibilities to remove them or standardize them
- Helped the digitalisation journey by modernising/redeveloping the legacy applications
- Identified risks regarding the functional solution from a Business Analysis perspective and proposed changes in business processes, IT implementations and/or operations when necessary
- **Technical Skills:** Microsoft Power Apps, Microsoft Power Automate, .NET Core, .NET Framework, MS SQL Server, ASP.NET Blazor, ASP.NET Razor, VB.NET, MAUI, UWP, WinForms, Graph API, UX/UI, Telerik, Azure DevOps
- **Soft Skills:** Teamwork, Problem-solving, Decision-making, Progress-reporting, Communication, Presentation, Project Management

Software Engineer   *Brisbane, Australia*

ARQ Group (NCS NEXT)   *March 2023 - November 2023*

- A 1-year Capstone project from QUT for final year student
- Collaborated with a four-person team to develop predictive analytic algorithms
- Enhanced and detected tide predictions and weather forecast
- Aimed to deliver an improved forecast of Brisbane City Council flood warnings
- Successfully achieved 93% accuracy in forecasting the flood
- **Technical Skills:** Python, Machine Learning, MySQL, DataBricks, HTML, CSS/Bootstrap, JavaScript, ReactJS, NodeJS, Figma, Jira
- **Soft Skills:** Teamwork, Problem-solving, Decision-making, Progress-reporting, Communication, Presentation, Project Management

Software Engineer   *Melbourne, Australia*

Planté   *May 2021 - Feb 2022*

- Collaborated with a four-person team to develop a website that represents the company
- Automated and optimised the data handling process for various trees and plants
- Actively collaborated and supported the mobile application development
- Significantly boosted the security of the software by 40%
- **Technical Skills:** HTML, CSS, JavaScript, Bootstrap, Figma
- **Soft Skills:** Teamwork, Problem-solving, Decision-making, Time Management, Communication

Projects

Breakfast Creek Flood Warning   *Brisbane, Australia*

ARQ Group (NCS NEXT)   *March 2023 - Nov 2023*

- Collaborated with a four-person team to develop a machine learning algorithm for predicting floods
- Created a website to interact using HTML, CSS/Bootstrap, JavaScript/React for Front-end
- Implemented the back end with NodeJS templates for rendering dynamic content
- Utilised Databricks for efficient database management, ensuring seamless data retrieval and storage
- Achieved 93% accuracy for the machine learning model
- **Technical Skills:** HTML, CSS, JavaScript, Bootstrap, ReactJS, NodeJS, Python, Databricks
- **Soft Skills:** Teamwork, Problem-solving, Critical-thinking, Documentation
- **Source:** Website

Movie Library   *Brisbane, Australia*

Queensland University of Technology   *Aug 2022 - Nov 2022*

- Collaborated with a three-person team to develop movie library console booking app
- Produced a detailed design of the system by creating class diagrams, based on user stories
- Developed reusable Abstract Data Types (ADTs) in a C# interface
- Finding patterns in their starting and ending ages (when they are caught) and other factors of killing, as well as how it varies with different motives.
- Used data structures and algorithms to manipulate the data in software application
- Designed algorithms to solve computational problems arising from the software application and to analyse the time efficiency of the algorithms.
- Built a test plan for each of the application's functions, including the test scenarios and actual data test
- **Technical Skills:** C#/.NET
- **Soft Skills:** Teamwork, Logical-thinking, Problem-solving, Critical-thinking, Decision-making, Object-oriented Programming
- **Source:** GitHub

Music Event Booking Site *Brisbane, Australia*

Queensland University of Technology *March 2022 - June 2022*

- Collaborated with a four-person team to develop music event booking website
- Created a website to interact using HTML, CSS, JavaScript for Front-end
- Implemented the back end with Python Flask and used Jinja templates for rendering dynamic content
- Utilised Flask-SQLAlchemy for efficient database management, ensuring seamless data retrieval and storage
- Achieved a responsive and user-friendly interface with Bootstrap components
- **Technical Skills:** HTML, CSS, JavaScript, Bootstrap, Python Flask, Jinja
- **Soft Skills:** Problem-solving, Critical-thinking, Object-oriented Programming
- **Source:** GitHub

Maze Game *Brisbane, Australia*

Queensland University of Technology *March 2022 - June 2022*

- Collaborated with a four-person team to develop a maze design tool
- Produced a detailed design of the system by creating class diagrams, based on user stories
- Created a comprehensive unit testing, made sure that the program runs without bugs
- Demonstrated the system to the client via video in order the check the requirements
- **Technical Skills:** Java with JDBC (MySQL, PostgreSQL), AdoptOpenJDK
- **Soft Skills:** Teamwork, Logical-thinking, Problem-solving, Critical-thinking, Decision-making, Object-oriented Programming
- **Source:** GitHub

Education

Queensland University of Technology *Brisbane, Australia*

Bachelor of Information Technology (Computer Science and Data Science) *March 2021 - November 2023*

- QUT International Merit Scholarship
- **Courses:** Programming Principles, Microprocessors and Digital Systems, Discrete Structures, Algorithms and Complexity, Software Development, Systems Programming, Machine Learning, Fundamental of Data Science, Computational Explorations, Project Management, Capstone Project
- **Grade:** Distinction

Skills

Languages	C#, JavaScript, Python, Java, HTML/CSS, C, R
Frameworks	.NET Framework, ASP.NET, ReactJS, NodeJS, Python Flask, Bootstrap, Tailwind
Databases	MySQL/SQLite/MS SQL/PostgreSQL, MongoDB
Tools	VSCode, Visual Studio, PyCharm, AWS, Azure DevOps, GraphAPI, REST API, GitHub, Git, Jira, Confluence, Figma, Trello, MS Office
Platforms	Mac, Windows, Linux
Soft Skills	Agile methodology (Scrum), Time Management, Teamwork, Problem-solving, Decision-making, Critical-thinking, Documentation

Languages

English	Professional proficiency
Vietnamese	Native proficiency
French	Elementary proficiency

Achievements

2021	**Scholarship**, QUT International Merit Scholarship		*Australia*
2021	**1st**, HACK4GROWTH Australia		*Australia*