

Pattarapol Tantechasa

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PERSONAL PROFILE

I'm a current second year Computer Science student majoring in Software Development at Swinburne University. I'm a highly motivated person always looking for an opportunity to learn and grow to pursue working as a software engineer. I dedicated my free time to learn new skills, work on personal project and shares my knowledge and experience with others through writing blogs.

EDUCATION

Swinburne University of Technology, Melbourne, Australia (current study)

2023 – 2026

Bachelor of Computer Science – Major Software Development

Relevant course work:

- *Cloud Computing Architecture: Deploy a simple website on Amazon Web Services using EC2, S3 Bucket, Virtual Private Cloud (VPC), Routing Table, Security Group, RDS, Auto Scaling and Load Balancer.*
- *Object-Oriented Programming: Created a Text-Based RPG Adventure game with C# programming language using knowledge of Object-Oriented Programming, Unit-Testing, Design Patterns, and Responsibility Driven Design.*
- *Network and Switching: Network Protocol, OSI Model, VLANs, Switching, Ethernet, Inter-VLANs Routing, Spanning Tree Protocol, Ipv4/Ipv6, Wireless Network.*
- *Computer System: Binary, Bits and Bytes, Logic gates, Encoder and Decoder, Flip Flops, Memory, ARM Assembly Programming,*
- *Introduction to Programming: Procedural programming paradigm with Ruby.*
- *Computing Technology Innovation project: An AI-integrated full-stack Website using ReactJS for the Front End and FastAPI for the Back End. This project is also integrated with React component libraries, such as Material UI, for the website's UI and JavaScript libraries, like ChartJS, for data visualization for users.*

Holmesglen, Melbourne, Australia (2023)

Certificate IV in Web Development

Relevant course work:

- *Create a static webpage with HTML and CSS*
- *Create a Dynamic webpage with HTML, CSS, and JavaScript (Vanilla) that fetches data from an API. Create a UI with Bootstrap and display data to the user. Then, upload and host this website on GoDaddy.com, a website hosting service provider.*
- *Create a website with signup and login functionality with PHP and MySQL.*

SKILLS

Programming Languages: HTML, CSS, JavaScript, C#, Python (Basic), SQL, PHP, Ruby

Computer software/ frameworks: Version Control (GITHUB), ReactJS, ChartJS, FastAPI, Tailwind CSS, DaisyUI, Bootstrap, Material UI (Basic), Notion, Confluence, Postman API, Amazon Web Services (AWS), Figma.

Knowledges: Object Oriented Programming, Responsibility Driven Design, Design Patterns, UX/UI (Basic), Unit Testing, Stack, and Heap.

LANGUAGE

English, (Professional communication level)

Thai, (Native)

RELEVANT PROFESSIONAL EXPERIENCES

Property Lens project | Back-End developer

10/2024

Property Lens was a group project I completed during my studies. It was developed using **ReactJS**, **FastAPI**, **Material UI**, and **ChartJS**. The platform incorporates an AI model for predicting house prices and categories. My primary responsibility was **back-end development** using **FastAPI**, where I created and organized API endpoints to facilitate interaction with the front end. I also documented the APIs using **Postman API** and packaged the AI model into a **PKL file**, integrating it with the website.

I contributed to the front end by developing interactive data visualisation features, including line and bar charts using **ChartJS**. Additionally, I worked on form submissions, transforming user inputs into suitable data formats for AI model predictions. I introduced **version control** practices using **GitHub** to my team, where I encouraged the use of feature branches for parallel development. I also managed code integration, including reviewing and merging pull requests to ensure a smooth and efficient workflow.

Lunatia project

10/2024

Lunatia project developed during my study of **Object-Oriented Programming**. This project was built using the **C# Programming Language** and extends the original assignment into a more advanced version of the game. The extension required learning advanced C# concepts such as **Language-Integrated Query (LINQ)** and working with external data files like **JSON** and **text files**. To ensure code reliability, I integrated **unit testing** using **'NUnit'**.

EXTRACURRICULAR

Personal Learning

I dedicate my free time to continuous learning and acquiring new knowledge to achieve my career goals. I proactively research topics that interest me or are essential for upcoming study units, allowing me to prepare in advance and excel in those areas. I am passionate about learning new technologies and tools that are valued in the tech industry. Evidence of my commitment to self-improvement includes certifications earned during semester breaks. Additionally, I frequently watch educational videos on platforms like YouTube and O'Reilly to enhance my skills and stay updated with industry trends.

Writing blogs

Started on 06/2024

I began writing blogs to share my passion, knowledge, and experiences with a broader audience. This practice not only allows me to connect with others but also helps deepen my understanding of various topics. Writing about these subjects encourages me to explore them thoroughly, ensuring I can explain them clearly and provide valuable insights to readers. I believe sharing knowledge is an excellent way to contribute to the community while reinforcing my learning.

INTERESTS

- Software Engineer
- Cross-Platform Mobile Development (React Native)
- Full-Stack Development
- Game Development

SOCIALS

LinkedIn: <https://www.linkedin.com/in/pattarapol-tantechasa-6275a1121/>

GitHub: <https://github.com/froyplus000>

Hashnode: <https://pattarapol.hashnode.dev/>

Medium: <https://medium.com/@pattarapoltantechasa>