Natadthep Kritsanaviparkporn

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A hard-working and determined final-year Software engineering student. I am actively exploring cybersecurity and software development opportunities to extend my academic and practical experiences. Thanks to my international academic studies, I have developed research skills, critical thinking, and time management skills. Team-working and adaptational skills as well as the capability to work under high-pressure environments were obtained from participating in a series of hackathon events. I have experience in many different coding languages (C/C++, Python, Java, etc.) and I am eager to expand my technical proficiency and soft skills in a challenging work environment.

Education and Qualifications

University of Glasgow   Glasgow, UK
BSc (Hons) Software Engineering   *Sep. 2022 – Jul. 2024 (Expected)*
Dual-Degree Program with King Mongkut's Institute of Technology Ladkrabang (KMITL)
Grade: Currently Predicted First Class Honours

Fourth-Year Modules: Algorithmics II (H), Functional Programming (H), Ind Project (H) (Single), Prof Skills & Issues (H), Cyber Security Fundamentals H, Research Methods and Techniques(M), Constraint Programming (M), Human-Centred Security (M), Secured Software Eng (M).

Key Project - Development of a web-based Technology Readiness Level (TRL) Calculator application.

- Worked together with a team of 5 group members to collaboratively design a web application calculator that sets a level of research for professors to identify their work. Team-working skills and management skills were obtained.
- As a member of the backend development group in the team, I modified the backend Django and fixed certain errors that would break the website. Modified the population script to add the TRL calculator requirements. Project score was 97.5%.

King Mongkut's Institute of Technology Ladkrabang (KMITL)   Bangkok, Thailand
BEng (Hons) Software Engineering   *Aug. 2020 – Jul. 2024 (Expected)*

Overall GPA: 3.46

Recent Modules: Algorithmics II (H), Functional Programming (H), Ind Project (H) (Single), Prof Skills & Issues (H), Research Methods and Techniques(M), Constraint Programming (M).

Oxford Summer School   Oxford, UK
Summer School   *Jul. 2019 (Graduated)*

Activities/Societies: Great Debate
Awards: Effort Award in Engineering

Bangkok International Preparatory and Secondary School (Bangkok Prep)   Bangkok, Thailand
Primary, Secondary and Sixth Form School   *Aug. 2008 – Jul. 2020 (Graduated)*

Activities/Societies: Computer Programming Club, Beach Clean-up: Chonburi, SEACSTA Coding Cup: CODEPOCALYPSE, UKMT Senior Maths Challenge
Awards: UKMT Senior Maths Challenge Bronze Award, SEACSTA Coding Cup 3rd place.
A-Levels: Mathematics (A*), Physics (A) and Computer Science (A)

Work Experience

Arise By Infinitas Co., Ltd.   Bangkok, Thailand
Software Engineering Intern – Internship (Hybrid)   *June 2023 – Aug. 2023*

- A member of the software development team, assigned to fix the financial features of a bank app and design flowcharts for the financial features.
- Learned how to use the SourceTree, Jenkins app, and Line Developer app to deploy a pipeline test checking all errors in the financial app and implementing a back-end request to display the specific website page.
- **Language(s):** Java, Docker, Gitlab, Jenkins, Postman, Line Developer, SourceTree.

G-Able Co. Ltd.   Bangkok, Thailand
Software Engineering Intern – Internship (Remote)   *May 2022 – Aug. 2022*

- My main responsibility was to work on web development in the back-end team, where I was assigned to find and solve website errors, as well as develop and update a variety of website features from different clients.
- Worked on the National Health Security Office (NHSO) website to optimise database management.
- Using Java and MySQL coding skills, deployed a website to improve and optimise the user experience for easier organisation. Learned how to use Glassfish server for website deployment development and acquired TestNG coding skills.
- **Language(s):** Java, Typescript, TestNG, Glassfish Server.

Other Projects and Awards

Multiplayer Code-Editor *Dec. 2022*

- Worked in a group of four members, I was assigned to work on developing the web sockets for the code-editor application. The web-sockets would allow for multiple users to be connected to the application and sign up on different accounts and rooms.
- Using Node.js, helped develop back-end connections of the code-editor, as well as preventing issues that were occurring within the code, such as duplicating users and the code-editor resetting by itself.
- Learned how to use Node.js and prevented web sockets from altering the existing code. Researching and analytical skills were acquired.
- **Language(s):** JavaScript (Node.js)
- **Website:** https://github.com/NaralC/Multiplayer-Code-Editor

Python Django Personal Website *May 2022*

- Created a Python Django blogging website allowing outside users to register and create their blogs.
- Established a back-end connection using Django Python to deploy a URL, as well as implemented and improved the front-end code to create a visually appealing website that will store data for users in the SQLite database.
- Using a variety of coding languages such as Python Django, HTML and CSS, established a link between a server and a local machine. Django Python, HTML and CSS coding skills were acquired, as well as creative-thinking skills.
- **Language(s):** Python Django, HTML, CSS, SQLite
- **Website:** https://github.com/KirtsMark/DjangoProject

Build On ASEAN Hackathon 2021 by Amazon Web Services (AWS) *Aug. 2021*

- Investigating the impact of the Covid-19 pandemic on society by creating a variety of technological applications that can be utilised to help improve the lives of people.
- Collaborated with five members from all over Thailand to develop an application specialising in delivering household goods and groceries using drones. My main responsibility was front-end development, creating the login screen and sign-up page of the application using Flutter.
- Improved overall user experience. The group obtained a 1st Place Runner-Up Award. Acquired Flutter development skills.
- **Language(s):** Flutter

DEPA Smart Cities Hackathon 2021 by Amazon Web Services (AWS) *May 2021*

- Developed a mobile application with five group members from all over the ASEAN Region, to help patients track the number of nearby recorded positive Covid-19 cases and check for a nearby hospital.
- Optimised and programmed the Python code to utilise the GPS feature on a user's mobile phone and accurately identify the nearby hospitals to the user.
- Won the Popularity Award. Team-working skills were acquired.
- **Language(s):** Python

Skills & Other Interests

Skills: Confident with Python, Java, HTML, CSS, C, C++, MySQL, and Full-stack Development. Intermediate with Javascript, Typescript, TestNG, Glassfish Server and Mobile development. Basic in Flutter, Golang, and PHP

Interests: Playing piano, games, model-building, watching football and exercising. We achieved a Merit Award for Grade 4 in Classical Piano from the Australian and New Zealand Cultural Arts (ANZCA) Board in 2018.