

Wuttikorn Jiraroongrojana

--- Aspiring Software Engineer ---

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OBJECTIVE

A BSc Computer Science student at Queen's University Belfast, seeking to contribute to innovative projects and cutting-edge technologies that drive solutions as part of a forward-thinking organization. Motivated to apply technical expertise, problem-solving abilities, and a collaborative approach to achieve impactful results. Seeking placement opportunities to further enhance my experience and connect with expertise within this field.

EDUCATION

Queen's University Belfast - BSc Computer Science with International Year One	Belfast, Northern Ireland
Awarded International Office Undergraduate Scholarship	Sep. 2023 - Jun. 2027
Year 2: System Security and Cryptography, Software Engineering and System Development, Data Structure and Algorithms (81%), Theory of Computation, Professional & Transfer Skills (70%).	
Year 1: Object Oriented Programming (89%), Procedural Programming (75%), Circuit Principles 1 (83%) Circuit Principles 2 (61%), Digital System Design (85%), Computer Architecture (73%), Database (63%), Engineering Math 1 (64%) - Math 2 (68%), Engineer Design and Practice (92%).	
Ekamai International School - Business Diploma	Bangkok, Thailand
Awarded College Preparatory Diploma Emphasis in Business – CGPA 3.36	

TECHNICAL SKILLS

Language: C/C++, Python, JAVA, CSS, HTML, JavaScript
Developer Tool: Xcode, VScode, Visual Studio
Database: MySQL, MongoDB
Operating System: Windows, MacOS
Microsoft Office Suite Proficiency (Excel, Word, PowerPoint, Outlook)

SOFT SKILLS

- Effective communication
- Teamwork & collaboration
- Adaptability & willingness to learn
- Critical thinking
- Feedback and innovative oriented mindset

PROJECTS

Snake Game - Personal Project – Python	Ongoing
<ul style="list-style-type: none">- Developing a classic Snake Game to strengthen skills in Python programming and game logic.- Will be implementing core game features such as real-time keyboard controls, snake movement, collision detection, and score tracking.	
Engineering for People Design Challenge - JAVA	Jan. – Mar. 2025
<ul style="list-style-type: none">- Collaborated with a team of six to design and research on an incident reporting application aimed at improving safety in Johannesburg, South Africa.- Researched and designed in-game tasks, including question development and surprise event planning.- Led team meetings, coordinated development, and work along with another team member on implemented Player Class.- Created use case diagrams and detailed use case descriptions for system modelling.- Led the development of JUnit tests for the game codebase, achieving approximately 80% test coverage, ensuring reliability and stability throughout gameplay features.	
Currency Convertor – Personal Project - JAVA	Dec. 2024
<ul style="list-style-type: none">- Developed a Java-based Currency Converter application integrating a third-party API for real-time exchange rates, utilizing RESTful API calls, JSON parsing, and robust error handling to ensure accurate and user-friendly functionality.	
Weather API - Personal Project – JAVA	Dec. 2024
<ul style="list-style-type: none">- Designed and implemented a Weather API in Java, integrating OpenWeatherMap to deliver real-time weather forecasts and data analysis.- Developed robust RESTful API endpoints, ensuring efficient data retrieval, JSON parsing, and error handling for seamless functionality.	
Expense Tracker – Personal Project - C++	Nov. 2024
<ul style="list-style-type: none">- Developed an expense management tool to track and categorize, making it easier to monitor financial habits.- Implemented the ability to export transaction data to CSV format, allowing for seamless integration with Excel for further analysis or to be able to import it into a nonrelational database later (MongoDB).- Designed and implemented core features, including adding, viewing, and deleting expenses.- Utilized version control with Git and hosted the project on GitHub for easy access and collaboration.	

WORK EXPERIENCE

Server and Cashier - Thai Village Belfast – Part time	Nov. 2023 – Ongoing Northern Ireland
- Exceled in a high-pressure environment and managing time to boost operational efficiency. - Encouraged team members of 3 during peak hours to optimize workflow and increasing overall productivity. - Maintained cleanliness and organization of dining and service areas, adhering to health and safety standards. - Handled orders and financial transactions with meticulous attention to detail, ensuring accuracy and decrease errors in all transactions.	

EXTRA CURRICULAR / ACHIEVEMENTS

Selected Presenter – Reach '25: Engineers Without Borders	Apr. 2025
- Selected as 1 of 10 teams (out of 60) to present at Reach '25: Engineers Without Borders, in recognition of our innovative and community-driven solution addressing safety challenges in Johannesburg.	
Sustainability Hackathon: The Belfast Agenda	Oct. 2024
- Worked in a team of 5 to tackle challenges related to city redevelopment, targeting a 20% increase in overnight stays and improved city safety. - Participated in workshops covering Jupyter, generative AI, and video content creation. - Researched and analyzed datasets from OpenDataNI, contributing to our strategic approach with relevant insights.	
Goldman Sachs Software Engineering Virtual Experience Program on Forage	Jul. 2024
- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements. - Identified company usage an outdated password hashing algorithm by cracking passwords using Hashcat. - Wrote a memo to supervisor summarizing a range of proposed uplifts to increase company's level of password protection including extending minimum password length and using a dedicated hashing algorithm.	
GE Aerospace Explore Digital Technology Virtual Experience Program on Forage	Aug. 2024
- Completed a Vue.js UI development simulation for the Frontend Development Team, demonstrating proficiency in Vue SFC Playground. - Applied Vue.js skills by adding features including headings, images, and dynamic variable displays. - Implemented a compute button for efficient user interactions. - Drafted clear technical requirements for a feature, suggesting optimal order times for plane parts. - Explored strategies to align technical specifications with business requirements, ensuring effective solutions.	
Ramathibodi Pitching Challenge (RPC) Healthcare Innovation	Jun. 2021
- Collected and analysed data on modern health issues to create an evidence-based solutions. - Assisted 2 team members with complex data analysis, increasing overall project insights. - Designed and devised an innovative solution aimed at advancing healthcare in Thailand.	
Tiger Global Case Competition	Aug. 2021
- Led a 6-member team and managed intricate task assignments by team objectives. - Conducted comprehensive research to evaluate and recommend high-value acquisition targets for Renesas. - Addressed and resolved key issues with semiconductor manufacturers to streamline operations. - Product research and evaluations over 20 companies to support strategic decisions. - Analysed and categorized data on potential acquisition targets to determine its strategic importance.	
Innovators for Sustainability Competition	Apr. 2021
- Group leader with 5 other members, discussing on sustainable solution and qualified for top 5 candidate. - Lead a development and implementation on solving waste and how it can be treated using innovative ideas. - Analyse solutions to waste management and discuss on cost and executing solution.	
Start-Up Club Founder	2021-2022
- Organizing events for over 37 start-up club members resulting in over 8 applications made. - Each application is proposed to the school to be able to administer a solution. - Oversees club's budget and finance with further solving any issue within the club.	
Base Playhouse Innoprenuer (Building Business with Innovation)	Apr. 2020
- Awarded first place product pitching regarding farming irrigation system in Thailand. - Group leader, distributing jobs equally to each member and communicate on each one's progress, and combine all research and come up with a solution. - Product evaluation and environmental research to connect with SDG goals.	
INTEREST & HOBBIES	CERTIFICATIONS
Bowling, Travelling, Board Games, Problem Solving Challenges, Airplane Spotting, Cooking, Piano, Biking.	HTML5 – CSS3 – JavaScript Python 3 IELTS - Listening 8, Reading 8, Writing 6.5, Speaking 8, Overall - 7.5.
	2024 2022 2021