

# Methasit Tantiplubtong

Computer Engineering Student

4640 W 9<sup>th</sup> Ave, Vancouver, BC V6R 2E4

nokia.methasit@gmail.com | LinkedIn: linkedin.com/in/aikonnn | GitHub: @aikonnn

## TECHNICAL SKILLS

### Computer

- Python, C/C#, MATLAB, Java
- Basic HTML/CSS/JavaScript
- Git, GitHub

### Software

- Unity
- Microsoft Office
- Solidworks
- Visual studio/ VSCode

### Hardware

- Microcontrollers
- Breadboard, Multimeter
- Circuit Soldering

## EDUCATION

University of British Columbia

*Bachelor of Applied Science - Computer Engineering, Average: 92.1%*

Expected April, 2026

### Relevant Courses:

- *Introduction to Computation in Engineering Design: 100%*
- *Linear Systems: 98%*

## TECHNICAL PROJECTS

**AIKONNN Bank**, Personal Project

September 2022 – Present

- Developed a simulation of a bank, operating in the command line
- Developed using **Java**
- Solidifies **object-oriented programming** knowledge, as well as **data structures** and **basic hashing**

**Fitness Companion**, Personal Project

June 2022 – August 2022

- Developed an interactive web experience to assist with keeping track of groceries from user input and potentially price according to the web.
- Use of basic **HTML**, **CSS** and **JavaScript** as gateway to basic frontend development

**MediQuest**, UBC GameDev Club: Team Code Blue

September 2021 – April 2022

- Joined and collaborated in the team responsible for developing the indie game MediQuest, which received the annual game of the year award from the club.
- Developed using **Unity** in **C#**. Experienced version control with **Git** and **GitHub** and working with coding projects in a team environment, which includes doing **code reviews** and writing easily understandable codes with annotations.
- Responsible for developing a script to control NPC (Non-playable Character) movements. The scripts interact with a system of existing scripts and objects that were made by other team members.
- Ideated features that will later be included in the game, such as a format for saving progress and concepts for additional use of reputation points.
- <https://github.com/aikonnn/MediQuest>

**Braille Printer**, Team Project

June 2020 – February 2021

- Constructed and wrote a **Python** script to control a **microcontroller** to operate a prototype to print braille on paper with a text input after data processing text into binary strings to speed up printing process.
- Gained robotics and hardware implementation skills and practical debugging practice.
- Potential: Implement optical character recognition to further facilitate printing.

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## VOLUNTEER EXPERIENCE

**Kamnoetvidya Science Academy**, Rayong, Thailand

**August, 2020 – December, 2020**

**Member and Translator of Khan Academy Club**

- Worked with a team of students to provide Thai subtitles to English educational videos to expand the border of knowledge Thai students can access on the internet.
- Responsibilities include translating content, proof checking other work, and follow up on other members. Developed strong interpersonal communication, both verbal and written.

**Kamnoetvidya Science Academy**, Rayong, Thailand

**October, 2019 – January, 2020**

**Head of the design team: International Super Science Fair 2020**

- Led a team of designers to provide design for logos, graphics, and contents used in the international science fair.
- Developed strong leadership to lead the team and skills to manage workflow efficiently through meetings and other means of communications.

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## OTHER WORK EXPERIENCE

**Independent Work**, Phuket, Thailand

**April, 2021 – August, 2021**

**Math, Science and English Tutor**

- Started teaching younger students academic subjects in form of tailor-made courses according to their age, background, and goals.
- Developed skills to professionally talk with strangers and create an engaging environment.
- Practiced analyzing students' needs and goals to accurately prepare teaching contents.

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## AWARDS

Trek Excellence Scholarship (Top 5%)	2022
Hackerrank Python Certificate	2021
Hackerrank Problem Solving Certificate	2021
Intel International Science and Engineering Fair Finalist	2019
Komolgorov's Readings Diploma I Degree	2019

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## PROFESSIONAL AFFILIATIONS

Engineers & Geoscientists British Columbia

2022 – Present

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## INTERESTS & ACTIVITIES

- Programming
  - Game Development
  - Designing
  - Weightlifting
  - Cooking
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