Nawapon Sangsiri

Recent Computer Science Graduate
Shatin, Hong Kong

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Nationality: Thailand

Education

The Chinese University of Hong Kong — Sep 2020 - Jul 2024
BSc(Hons) Computer Science – *First-class Honor*
Cum. GPA: 3.656 / 4.0, Major GPA: 3.800 / 4.0
IELTS Score: 7.0

Awards

- **Dean's List**, Faculty of Engineering, CUHK *2024*
- **Dean's List**, Faculty of Engineering, CUHK *2022*
- **Dean's List**, Faculty of Engineering, CUHK *2021*
- **ELITE Stream Scholarship**, Faculty of Engineering, CUHK *2024*
  Awarded to top-performing engineering students while concurrently engaging in challenging coursework.
- **ELITE Stream Scholarship**, Faculty of Engineering, CUHK *2022*
- **ELITE Stream Scholarship**, Faculty of Engineering, CUHK *2021*
- **Admission Scholarship**, CUHK *2020*

Hong Kong, China - Asia-Pacific Economic Cooperation Scholarship, HKSAR Government *2020*

Both scholarships combined fully cover my tuition fee of 145,000 HKD per year for four years. Additionally, I was awarded annual funding of 30,000 HKD for 4 years.

- **Silver Medal**, Thailand Mathematics Olympiad *2017*
- **Bronze Medal**, Thailand Olympiad in Informatics *2018*

Publications

- Ping-Kwan Man, Kit-Leong Cheung*, **Nawapon Sangsiri***, Wilfred Jin Shek, Kwan-Long Wong, Jing-Wei Chin, Tsz-Tai Chan and Richard Hau-Yue So.
  Blood Pressure Measurement: From Cuff-Based to Contactless Monitoring.
  Healthcare MDPI, 10(10): 2113, October 2022.

* These authors contributed equally to this work.

Leadership Roles and Social Responsibility

- **International Startup & Innovation Bootcamp** *Jul 2024 - Aug 2024*
  European Innovation Academy Porto, Portugal
  Led a team of five to develop an innovative communication device designed for wildfire firefighters, enhancing visual mapping capabilities to minimize voice communication and reduce confusion. This project garnered ten customer validations from fire departments in the U.S., Spain, and Portugal, as well as the endorsement of the Mayor of Porto. We also published a feature article in a respected firefighting technology magazine with ten thousand followers, highlighting our achievements.

- **Co-founder** *May 2022 - Dec 2022*
  Thai Student Association in Hong Kong and Macau Hong Kong
  Led a team in establishing the organization to support and connect Thai students from different universities in Hong Kong and Macau. My responsibilities included developing the association's mission and vision, coordinating events to promote Thai culture, and facilitating effective communication among members. I led a team to organize cultural events, such as the Thai New Year festival and the Loy Krathong festival, to strengthen relationships between Thai students and the broader community. Additionally, I connected the association with the Thai consulate of Hong Kong and Macau to align our mission with their support and resources.

- **Head of I.T. & Co-founder** *Nov 2021 - Dec 2022*

  Thai Student Association in CUHK Hong Kong

  Led a group of elite Thai students to design and maintain the association's website as a portal to provide essential information about CUHK for new Thai students, covering topics such as the college system, course registration, and bus routes. my team and I established the organization to support and connect Thai students at the Chinese University of Hong Kong.

Work Experience

- **An Updatable In-memory String Index Using C++** *Jun 2022 - Sep 2023*

  Research Assistant, CSE Department CUHK Shi Tin, Hong Kong

  Conducted comprehensive testing and analysis of 5 different learned indexes, utilizing linear machine learning techniques to optimize data retrieval operations on a key-value database table.

- **Agoda** *Jun 2023 - Aug 2023*

  Data Engineer Internship, Python (Data pipeline, OpenAI) Bangkok, Thailand

  Implemented a data-driven strategy to optimize ChatGPT-powered Slack bot functionality, resulting in a 20% decrease in response time and an 80% reduction in user inquiries per week. Moreover, I implemented a Slack bot testing environment with real user data.

- **PanopticAI** *Jun 2022 - Aug 2022*

  Machine Learning Engineer Internship, Python (PyTorch) Science Park, Hong Kong

  Developed a predictive model for blood pressure estimation based on the synthesized research data, achieving an accuracy rate of 85% in clinical trials. I also synthesized over 25 research papers to contribute to writing a 5-page section of analysis about blood pressure estimation.