

DOMINICUS DYLAN HARYOTO

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Education

The Hong Kong Polytechnic University

Bachelor of Science, Computer Science (Minor in Finance) - Dean's List

*Hong Kong SAR
Aug 2022 - Present*

Experiences

Undergraduate Researcher

Graduate School, The Hong Kong Polytechnic University

- Secured admission to the Undergraduate Research and Innovation Scheme with a grant of HK\$30,000, supervised by Dr. Qixin Wang.
- Currently researching and proving the NP-hardness of an algorithm for intra-cell channel time-slot scheduling for fire evacuation.

*Hong Kong SAR
Aug 2022 - Present*

Market Research Assistant

Hutchison Port Holdings

- Conducted extraction and analysis of financial data from shipping line companies, providing valuable reports for market research.
- Contributed significantly to the company's expansion plan by conducting in-depth analyses of countries and industry trends.

*Hong Kong SAR
Jun 2023 - Aug 2023*

Student Research Assistant

Department of Computing, The Hong Kong Polytechnic University

- Installed LoRa communication on Raspberry Pi using MKR WAN 1310, enhancing the system's wireless communication capabilities.
- Conducted an experiment on a server-client connection using SSH and X Window to optimize the communication infrastructure.

*Hong Kong SAR
Feb 2023 - Aug 2023*

Extra-curricular

Vice President

Google Developer Student Clubs PolyU

- Collaborate with technical leads to organize engaging workshops covering topics related to artificial intelligence.
- Prepare and organize for the upcoming hackathon, PolyHack, ensuring a creative and collaborative environment for participants.

*Hong Kong SAR
Aug 2023 - Present*

Class Representative

Department of Computing, The Hong Kong Polytechnic University

- Chosen by faculty members to actively participate in semester meetings with professors addressing student learning experiences.
- Actively gathering constructive feedback from peers to contribute to the continuous refinement of the curriculum.

*Hong Kong SAR
Dec 2022 - Present*

Electrical Engineer

African Evangelistic Enterprise

- Installed solar-powered electricity to 400 households in rural areas, illuminating lives and fostering sustainable energy solutions.
- Implemented an advanced IoT system with an MPPT Controller, improving data tracking for more effective monitoring and analysis.

*Rwanda, Africa
Mar 2023 - Aug 2023*

Innovation and Technology

PolyU E-Formula Racing Team

- Crafted a curriculum tailored for primary and secondary school students, focusing on the development of RC Cars.
- Spearheaded the modification and enhancement of the team's website, with a keen emphasis on improving the UI/UX.

*Hong Kong SAR
Nov 2022 - Jun 2023*

Technical Lead

Google Developer Student Clubs PolyU

- Facilitated introductory workshops on Lego Mindstorms EV3, catering to beginners and fostering hands-on learning experiences.
- Collaborated seamlessly with executive committee members from other divisions to plan and prepare for upcoming events.

*Hong Kong SAR
Oct 2022 - July 2023*

Projects

PolyONE: Revolutionizing Campus Experience

- Spearheaded the consolidation of disparate apps and platforms into a unified university app, enhancing the efficiency of campus services.
- Implemented cutting-edge NFC technology to facilitate seamless access for students and staff entering campus facilities.

GoPark: Pioneering Environmental Innovation

- Leading initiatives to alleviate traffic congestion through the implementation of real-time data and sensor technologies for optimal parking spot location.
- Contributing to enhanced air quality by reducing parking search time, consequently lowering vehicle emissions.

Scholarships

Dr. Winnie S M Tang PolyU Student Innovation and Entrepreneurship Scholarship

PolyVentures — Dec 2023

Awarded: HK\$5,000

HKSAR Government Scholarship

HKSAR Government — Dec 2023

Awarded: HK\$80,000

Talent Development Scholarship

HKSAR Government — April 2023

Awarded: HK\$10,000

Awards

Presidential Student Leadership Award of Department of Computing

The Hong Kong Polytechnic University — Dec 2023

3rd Place & Best GIS Award - PolyHack 2023

PolyHack 2023 — Jun 2023

Bronze Medalist & Rio Tinto Innovation Award

World Robot Olympiad 2020 — Nov 2020

Gold Medalist

Indonesian Robotics Olympiad 2019 — Sep 2019

Links

Personal Website - <https://dylanharyoto.github.io/>

LinkedIn - <https://linkedin.com/in/dylanharyoto>

Skills

Technologies: Python, C/C++, HTML, CSS, JavaScript, SQL, Java, R

Language: English, Chinese (Basic), Bahasa Indonesia