DOMINICUS DYLAN HARYOTO

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Education

The Hong Kong Polytechnic University   *Hong Kong SAR*
Bachelor of Science, Computer Science (Minor in Finance) - Dean's List   *Aug 2022 - Present*

Experiences

Undergraduate Researcher   *Hong Kong SAR*
Graduate School, The Hong Kong Polytechnic University   *Aug 2022 - Present*
- 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.

Market Research Assistant   *Hong Kong SAR*
Hutchison Port Holdings   *Jun 2023 - Aug 2023*
- 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.

Student Research Assistant   *Hong Kong SAR*
Department of Computing, The Hong Kong Polytechnic University   *Feb 2023 - Aug 2023*
- 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.

Data Entry Operator   *Hong Kong SAR*
Ministry of Foreign Affairs of the Republic of Indonesia   *Feb 2023 - Aug 2023*
- Entered the personal information of Indonesian laborers into the centralized database, showcasing a keen eye for detail and precision.
- Utilized organizational skills to ensure high-quality information management, enhancing overall data integrity and reliability.

Extra-curricular

Vice President   *Hong Kong SAR*
Google Developer Student Clubs PolyU   *Aug 2023 - Present*
- 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.

Class Representative   *Hong Kong SAR*
Department of Computing, The Hong Kong Polytechnic University   *Dec 2022 - Present*
- 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.

Electrical Engineer   *Rwanda, Africa*
African Evangelistic Enterprise   *Mar 2023 - Aug 2023*
- 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.

Technical Lead   *Hong Kong SAR*
Google Developer Student Clubs PolyU   *Oct 2022 - July 2023*
- 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.

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, Most Innovative Award
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