

DOMINICUS DYLAN HARYOTO

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Education

The Hong Kong Polytechnic University
Bachelor of Science, Computer Science

Hong Kong SAR
Aug 2022 - Present

Work Experiences

Undergraduate Researcher

Graduate School, The Hong Kong Polytechnic University

Hong Kong SAR
Aug 2023 - Present

- Admitted to the Undergraduate Research and Innovation Scheme (URIS)
- Aim to optimize wireless communication for fire evacuation using UAVs

Market Research Assistant

Hutchison Port Holdings

Hong Kong SAR
Jun 2023 - Aug 2023

- Extracted financial data of shipping line companies for market insights
- Analyzed countries and industries for company's expansion plan

Student Research Assistant

Department of Computing, The Hong Kong Polytechnic University

Hong Kong SAR
Feb 2023 - Aug 2023

- Installed LoRa communication on Raspberry PI using MKR WAN 1310
- Conducted experiment on server-client connection using SSH and X Window

Volunteer Experiences

Vice President

Google Developer Student Club PolyU

Hong Kong SAR
Aug 2023 - Present

- Assist technical leads in conducting workshops about technology trend
- Develop an app for ordering food in advance from PolyU canteens

Financial Secretary

International Student Association PolyU

Hong Kong SAR
Jun 2023 - Present

- Record transactions and event reports for submission to university officials
- Prepare for upcoming events for integrating local and non-local students

Project Volunteer

African Evangelistic Enterprise

Rwanda, Africa
Mar 2023 - Aug 2023

- Installed solar-powered electricity in 400 households in rural areas
- Implemented an IoT system with MPPT Controller for data tracking purposes

Innovation and Technology

PolyU E-Formula Racing Team

Hong Kong SAR
Nov 2022 - Jun 2023

- Developed RC car learning curriculum for secondary school students
- Built the RC car using Arduino and provided online video content

Projects

PolyONE: Transforming Campus Experience

- Consolidate separated apps and platform into one single, unified university app for campus services
- Implement NFC technology to provide easier access for students and staffs to enter campus facilities

GoPark: Environmentally-innovative

- Reduce traffic congestion by helping drivers locate parking spots using real-time data and sensors
- Improve air quality by minimizing parking search time, resulting in decreased vehicle emissions

Achievements

3rd Place Award & Best GIS Award - PolyHack 2023

Talent Development Scholarship 2022/23 - HKSAR Government Scholarship Fund

Bronze Medalist - World Robot Olympiad Canada 2020

Rio Tinto Innovation Award - World Robot Olympiad Canada 2020

Gold Medalist - Indonesian Robotics Olympiad 2019

1st Place - Mechatronics Day 4.0 by the Ministry of Youth and Sports of Indonesia

Links

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

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

Skills

Technologies: Python, C++, HTML, CSS, JavaScript, SQL

Language: English, Chinese (Basic), Bahasa Indonesia