

Awwab K. Hamam

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EDUCATION

The Hong Kong Polytechnic University

Hung Hom, Hong Kong

BEng (Hons) in Electronic Engineering

Present – May 2026

- Secondary Major in Artificial Intelligence and Data Analysis
- Minor in Finance
- Class Representative

WORK EXPERIENCE

Civtek NPO

Central, Hong Kong

Data and Machine Learning Engineer

Oct 2022 - Present

- Provided businesses with in-depth decision insight through data analytics and AI services, resulting in the expansion of customer engagement rates by 30%. Used RLang, SQL and Python
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Google Developer Student Club

Hung Hom, Hong Kong

Technical Developer

Sept 2022 - Present

- Using Google technologies including Dialogflow (NLP AI), Google Cloud and Flutter for personal project development. Specialized in Software and back-end development of applications.
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Teenshare HK

Admiralty, Hong Kong

AI and Machine Learning Engineer

May 2023 – Sept 2023

- Working on Natural Language Processing models to produce an Automated and AI-powered CV / Resume screening solution for large and medium-sized businesses.
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Department of Applied Physics PolyU

Hung Hom, Hong Kong

Software and Electronic Engineer

Jan 2023 – April 2023

- Developed and deployed ARM based microcontroller systems via ESP32 & Arduino to create an interactive system enabling remote access to physics experiments, increasing student engagement.
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EXTRA-CURRICULAR EXPERIENCES

PolyU Engineering Entrepreneurship Club

Hung Hom, Hong Kong

Electronic and Software Engineer

Dec 2022 – Present

- Developed Image recognition and measurement software using OpenCV and Python for an underwater robotics competition through analog and digital cameras.
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PolyU Robotics Club

Hung Hom, Hong Kong

Electronic and Electrical Engineer

Dec 2022 – Present

- Developed and deployed sophisticated integrated circuits for a robotics competition, enabling control of electronic devices through signals. Used Altium Designer for PCB Design.
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PolyU Entrepreneurship Society

Committee Member

Hung Hom, Hong Kong

Feb 2023 - Present

- Lead of the Administrative and Financial team, efficaciously managing and organizing multiple events and trainings for Entrepreneurship and start-up ideation.
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Business Club @ PolyU

Committee Member

Hung Hom, Hong Kong

Oct 2022 – Oct 2023

- Coordinated several successful events, engaging over 80 Business Club members while introducing new and innovative means of inspiring collaboration among peers.
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PROJECT EXPERIENCE

PolyHack 2023 Global Winner (2023)

Hung Hom, Hong Kong

- Won the Best GIS award, Most Innovative Award, and Third Place Award at PolyHack 2023 with over 700+ competitors. Co-Founder and Back-end developer of **GoPark** and **GoHealth** start-ups. Please visit **GoPark** at <https://hello-gopark.github.io/>
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Cathay Hackathon 2023 Qualifier (2022)

Hung Hom, Hong Kong

- Qualified to the second round of the Cathay Hackathon out of thousands of teams. Founder and back-end developer of **PayCX** – a revolutionary fintech solution for the aviation industry.
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E-Wallet Full-Stack Development (2024)

Central, Hong Kong

- Successfully developed and deployed a fully functional e-wallet system with 5 currencies (USD, HKD, EUR, BTC and ETH) with SQLite-Flask Python back-end and HTML/CSS front-end. Used Stripe and several exchange rate APIs for crypto and forex.
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SKILLS AND TECHNOLOGIES

Programming Languages

- Python (Primary)
- C and C++ (Primary)
- SQL (Primary)
- R
- C#
- Dart / Flutter
- JavaScript

Languages

- English (Native)
- Arabic (Native)
- French (Beginner)

Computer Platforms

- Linux OS (Kali)
- Pytorch and Tensorflow
- Anaconda and Spyder
- Microsoft Machine Learning Studio
- MS Access DB
- MongoDB
- SQLite
- Tableau
- Orange for Data Mining
- MS Office and Excel
- Tableau
- AWS services
- MS Office and Excel

Other Skills

- Bot Programming and Deployment
- API Development and Deployment with JSON
- Back-end and database development
- Microsoft Azure and Google Cloud development
- AI and ML development offline and on-cloud.
- Data exploration, cleaning, and parsing.