

## Wong Hoi Ying, Cathy

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### WORK EXPERIENCE

#### The Hong Kong and China Gas Company

Jun – Aug 2025

Product Development intern, Metering Software Team

#### Data Processing and System Development Support

- Data Integrity Optimization: Assist in Analyzed 5+ datasets (>500,000 records each) using SQL, identifying critical discrepancies that improved data reliability for executive decision-making. Visualized insights via PowerPoint dashboards.
- Data Pipeline Reinforcement: Optimized Python/Pandas data pipelines to ensure data integrity and performance.
- Audit Process Automation: Assisted in developing a Python 6S audit system (Tkinter UI) automating manual processes via JSON-Excel-Word integration.

#### Automation Tool Development

- Excel Modeling Efficiency: Engineered Python tools to replace manual column-by-column data entry, enabling dynamic parameter integration for complex Excel models.
- Intelligent Reporting: Created VBA scripts automating monthly report emails with duplicate data filtering capabilities.

#### Cross-Functional Collaboration

- Product Defect Analysis: Partnered with engineering teams to diagnose defects through test data analytics.
- Regulatory Documentation: Supported engineering projects by collecting/analyzing OFCA technical documents and creating clear technical presentations.
- Industry Engagement: Represented Towngas China at the BOC Life Golden Era Expo, assisting in technical solution demonstrations.

### EDUCATION

#### The Hang Seng University of Hong Kong (HKUHK)

Sep 2024 - Jun 2028

Bachelor of Science (Honors) in Applied Computing, Expected year of graduation: 2027/2028

### CORE SKILLS

- **Programming Languages :** Java, C, HTML, JavaScript, CSS, VBA, Python
- **Tools & Platforms:** Microsoft Office (Advanced), Linux, Canva, Figma, Pandas, Tkinter
- **Languages:** Cantonese(Native), English(Fluent), Putonghua(Fluent)

### EXPERIENCE

C ME Fly [China Merchants Group]

2025 - 2026

Cathay Hackathon – Project Manager [Cathay Pacific]

Sep - Oct 2025

Ambitions Star [AS Watson's]

Apr 2025

ICYC Work Experience Program [Hong Kong Children & Youth Service]

Jun - Aug 2024

CLP Innovation Hub [CLP Power Hong Kong. Ltd]

Aug 2024

Activities main organizer & Emcee [The Boys'and Girls' Club Association of Hong Kong]

2022 - 2024

Enriched IT Program (EITP)[ Digital Policy Office]

2022 - 2024

- Visual programming languages, Robotics and automation, 3D design and printing, VR&AR production

### ACHIEVEMENT

Most Innovative Award, The Hong Kong and China Gas Company

Aug 2025

Merit Award, Cyber Attack & Defense Elite Training & Competition 2025[HKIRC & DPO & CSTCB]

Jun - July 2025

Excellent Strategy Award, SDSC Robotic Doggie Time Tracking Challenge 2025 [HSUHK]

May 2025

Gold Award of Outstanding Social Innovation, Young Impact Makers [Po Leung Kok]

2022 – 2024

Brown Award, Hong Kong Volunteer Award [The Hong Kong Jockey Club]

2024

Brown Award, Hong Kong Young Ambassador [The Hongkong Federation of Youth Group]

2024

### PROFESSIONAL TRAINING AND SEMINARS

LearnQuest - CORE JAVA | Google - Google Data Analytics | ERB - Cangjie Input Method | ERB - Trial Balance II |

ERB - Word Processing II

Autonomous Driving Technology Summit [Baidu.Inc]

Nov 2024

Enhance Workplace Efficiency with AI | DYXnet x Zoom Seminar |

Aug 2024

Guangdian Yuntong Group Co.,Ltd - Central enterprise | Government and military data infrastructure provider

Aug 2024

- Participated in the “ Union Cloud-cloud intelligence Integrated Platform” technical seminar ; inspected key facilities of the data centre (liquid cooling room, monitoring center.

### REFERENCE

NG WAI WAH [The Hong Kong and China Gas Company Limited | GM of Product Development Department |

JING JIE LONG [Guangdian Yuntong Group Co.,Ltd |Deputy Technical Director|