

Mary Pauline Singzon

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EDUCATION

The University of Hong Kong (HKU) Bachelor of Engineering in Industrial Engineering and Logistics Management	Hong Kong Sep 2022 - Jun 2026
• Relevant Coursework: Project Management, Data Science, Engineering Training, Supply Chain Management, Engineering Economics and Finance, Financial Accounting, Operations Research	
EMPOWER by the Amber Foundation Leadership and Career Development Program Participant	Hong Kong Sep 2025 - Jun 2026
University of Strathclyde Student Exchange under the Faculty of Design, Manufacturing, and Engineering Management	United Kingdom Jan 2025 - Jun 2025

WORK EXPERIENCE

Social Impact Investment Foundation, Hong Kong <i>Software Engineer Intern</i>	July 2025 - Aug 2025
• Implemented multithreaded concurrency-safe dialogue handling in an AI conversation platform, ensuring consistent conversation context during user interruptions.	
• Evaluated and integrated machine learning models for speech recognition, language understanding, and synthesis, and documented reproducible workflows to support reliable deployment and team collaboration.	
eBRAM International Online Dispute Resolution Centre, Hong Kong <i>Software Engineer Intern</i>	July 2024 - Aug 2024
• Collaborated in an agile team to improve a video conferencing system with Microsoft Azure AI transcription functionalities using React and Next.js	
• Led front-end development for online staff business card using React and Next.js	
• Prepared testing report, user guide, and system documentation.	
Speech, Language, and Reading (SLR) Lab, Hong Kong <i>Front-end Developer</i>	Jan 2024 - Apr 2024
• Acquired Vue.js on the fly, effectively building on features to enhance their educational web-based project.	
• Assisted in other duties such as creating visuals and conducting research in language development.	

RELEVANT PROJECTS

Economic and Financial Analysis of FIFA World Cup 2022 <i>Group Project</i>	
• Conducted a comprehensive economic and stakeholder analysis of FIFA World Cup 2022, including cost-benefit and net present value assessment over a 20-year horizon.	
• Evaluated infrastructure, sustainability, and logistical challenges (stadiums, transport, pandemic response) and assessed social impacts such as human rights and environmental concerns.	
• Performed data-driven financial modeling and sensitivity analysis (MARR, cash-flow estimation, revenue projections) and produced policy-focused recommendations and limitations.	
Investment Portfolio Analysis <i>Group Project</i>	
• Developed and implemented a “moving ratios” asset-allocation strategy in Python to manage a \$1M portfolio across 30 industry portfolios, producing a 252% cumulative return over a 10-year test period.	
• Conducted data-driven financial modeling, backtesting, and sensitivity assessment, and documented methodology, code, and limitations for reproducibility and comparison with market indices.	

Engineering Training

- Created an Autonomous Guided Vehicle robot with Arduino, 3D printed materials and laser cut materials for industrial and logistics applications.
- Practical application on manufacturing processes, product design, and system development.

SKILLS

Technical PowerBI, Tableau, Excel, SolidWorks, PowerPoint, Word, Teams, Blender, Video Editing

Programming VBA, SQL, R, Python, C/C++, HTML, CSS, JavaScript, Git

Core Problem Solving, Creativity, Teamwork, Project Management, Organisation, Attention to Detail, Critical Thinking

AWARDS

Top 3 in Strathclyde Inspire Exploring Entrepreneurship Challenge	Feb 2025 - April 2025
Pitched an educational business idea with focus on UN SDG showcasing innovation and strong presentation	
Lee Shau Kee Scholarships for Student Enrichment	Jan 2025
Awarded a HKD 12,000 merit-based scholarship to support international academic exchange.	
Honourable Mention in CILTHK Case Competition	Mar 2024
Analysed and presented customer experience and financial impact of aircraft seat planning	

ACTIVITIES

Chi Sun Art Club <i>Head</i>	Sep 2023 - Dec 2024
Organized and executed bi-weekly art sessions teaching crafts and painting for students of all skill levels	
TEDxHKU Conference <i>Operations Team Member</i>	Sep 2023 - Feb 2024
Managed ticketing sales in collaboration with ZTicket and event promotion to drive in attendees	

OTHER INFORMATION

Languages English (Native), Filipino (Native), Mandarin (Beginner), Cantonese (Beginner)

Work Authorization Hong Kong (Permanent Resident), Philippines (Citizen)