Lavinia Thosatriavi

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PROFILE

Motivated student with a strong interest in Computer Science. Fast-learner individual with a proven track record of delivering high-quality solutions who values continuous learning as the field of technology is constantly evolving. Effective communicator that enjoys the challenge of solving complex problems and constantly seeking ways to enhance coding proficiency. Eager to immensely contribute and learn from an internship opportunity with a dynamic team.

EDUCATION

The University of Hong Kong   **Pok Fu Lam, Hong Kong**
Bachelor of Engineering   Expected Graduation May 2027
- **GPA:** 3.68
- **Related Coursework:** Programming Technologies and Computer Programming II, Computer Programming I, Linear algebra, probability and statistics, Engineers in the modern world, Introductory Macroeconomics, Calculus and ordinary differential equations, Everyday Computing and the Internet

PROJECTS & ACHIEVEMENTS

HKGCC Business Case Competition 2023/24 – 2nd Runner Up Chevalier Group Track   *Oct 2023 – Jan 2024*
- Introduced a comprehensive strategy utilizing IoT technology to optimize operations of care homes for the elderly
- Proposed idea of Cantonese AI Call Center to streamline diagnosis, inspired by Infermedica voicebot during pandemic

Portfolio Website
- Self-learn within a short amount of time to create a scrolling parallax responsive web design with hover effect

Cathay Hackathon Finalist 2023   *Sep 2023 – Nov 2023*
- Developed a Cathay Pacific Smart Luggage System, utilizing Figma for initial UI/UX design.
- Collaborated with teammates for final system featuring Front-End, Freighter Capacity Prediction – Monte Carlo simulations for predicting luggage weights and Augmented Reality Measurement for real-time calculations.

Hong Kong Cyber Security New Generation Capture the Flag (CTF) Challenge 2023   *Nov 2023*
- Participated in cybersecurity workshop. Practiced through PicoGYM to master Linux terminal shell command lines and capture hidden flags

HKU Engineering Course Project "SounSync" – Team Leader & Developer   *Aug 2023 – Dec 2023*
- With the vision of enhancing independence of blind individuals by aiding shopping experience, SounSync Team completed business proposal with financial projections and developed digital prototype for SounNav 1.0 product
- Utilized YOLOv8 ML algorithm and OpenCV Python libraries to support supermarket object detection

High School Valedictorian   *June 2023*
- Graduated with a weighted average of 94.99%, attaining 5A* for Cambridge International ALevels – First Place in Indonesia for Best Across Four AS Level subjects and Best Across Three ALevel subjects

EXPERIENCE

El John Indonesia – Assistant Show Director   *Jul 2023 – Aug 2023*
- Directed nationwide tourism pageantry contest "Putra Putri Pariwisata Nusantara 2023", accredited and supported by the Indonesian Ministry of Tourism and Creative Economy

ACTIVITIES

Hong Kong Institute of Engineers Member   *Nov 2023 -- Present*
- Connected with engineers all around Hong Kong, continuously learning from the more experienced and keeping up with up to date technologies

Nation Youth Model United Nations – Conference Manager   *Nov 2021*
- Managed the overall flow of the Model United Nations Conference, dealing with delegate affairs

Computer Science Student Tutor   *Aug 2021 – June 2022*
- Taught middle school students fundamental robotics, working with coding into Makeblock mBot and mBlock

SKILLS

Programming & Tools: Python, C++, HTML, CSS, Javascript, OpenCV Library, Figma
Interests: Web designing & developing, AI/ML, Mathematics, Collaborative problem-solving, Software development