LIEW JIA XIN

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PROFESSIONAL SUMMARY

Motivated Computer Science (Artificial Intelligence) undergraduate with strong foundations in programming, data structures, applied AI concepts. Experienced in developing academic and hackathon-based systems involving fraud detection, chatbots, and desktop applications. Demonstrates solid analytical thinking, problem-solving skills, and the ability to translate technical requirements into functional, user-oriented solutions. Seeking internship opportunities to apply AI and software development skills in real-world environments.

EDUCATION

Asia Pacific University of Technology and Innovation   **Bukit Jalil, Kuala Lumpur**
Bachelor's in computer science (Hons) Artificial Intelligence   *Graduating July 2027*

Asia Pacific University of Technology and Innovation   **Bukit Jalil, Kuala Lumpur**
Foundation in Computing   *July 2023 – July 2024*

SMK Seri Sentosa   **Kuchai Lama, Kuala Lumpur**
Sijil Pelajaran Malaysia (SPM)   *Graduated March 2023*

UNIVERSITY ACADEMIC PROJECTS

Library Management System (Python)   **Academic Project - APU**
          August 2024 – October 2024

- Collaborated in a team of 4 to design and develop a fully functional library management system.
- Implemented validation logic for member IDs, book IDs, loan limits, and overdue durations prior to generating loan records.
- Contributed to automated loan ID generation, real-time updates of book availability, and overdue loan calculations using object-oriented programming principles.
- Improved system reliability and user experience through structured file handling, error detection, and a clean user interface.

Network Topology Design for MACSATECH Offices (Cisco Packet Tracer)   **Academic Project - APU**
          August 2024 – October 2024

- Collaborated with a team to design and implement LAN and WAN network topologies for four branch offices using Cisco Packet Tracer.
- Assisted in configuring routers, switches, IP addressing, and subnetting to ensure efficient network communication.
- Applied VLAN segmentation, basic routing protocols, and redundancy concepts to improve network reliability and security.
- Contributed to documentation outlining design objectives, topology decisions, and technical justifications.

ChatBot Development (Botpress)   **Academic Project - APU**
February 2025 – April 2025

- Developed conversational chatbots using Botpress for automated customer interaction scenarios.
- Designed intents, entities, and dialogue flows to handle common user queries effectively.
- Tested and refined conversation logic to improve response accuracy and user experience.

FoodiePoint Restaurant Management System (C#)   **Academic Project - APU**
February 2025 – April 2025

- Collaborated with a team to develop a Windows Forms–based restaurant management system using C# and SQL Server.
- Contributed to implementing role-based access control and dynamic login redirection supporting multiple user roles.
- Assisted in database design and implementation to support validated workflows for orders, reservations, menus, users, and payments.
- Worked on core system modules including ordering, reservations, inventory tracking, customer feedback, and real-time status updates.
- Applied object-oriented and modular design principles to enhance system scalability, maintainability, and code clarity.

Medical Centre Management System (Java)   **Academic Project - APU**
July 2025 – September 2025

- Collaborated in a team of 4 to design and develop a medical centre management system with an integrated appointment booking and management module.
- Contributed to implementing patient registration, doctor management, and appointment scheduling using object-oriented design principles.
- Assisted in designing modular class structures, applying inheritance and encapsulation, and managing data persistence using Java file I/O.

Flight Delay Prediction Analysis   **Academic Project - APU**
August 2025 – October 2025

- Collaborated in a team to perform data cleaning, pre-processing, and validation on a large U.S. flight dataset exceeding 500,000 records.
- Contributed to descriptive, dispersion, and regression analyses on air system delays using R, supported by visualizations such as bar charts, box plots, and scatterplots with regression lines.
- Assisted in identifying variability, outliers, and key factors contributing to arrival delays, and supported the formulation of data-driven recommendations to reduce flight delays.

EXTRACURRICULAR

Virtuals Protocol Contribution Challenge   **Bukit Jalil, Kuala Lumpur**
– AI Community Contributor Malaysia   *August 2024*

- Contributed datasets and AI-related resources to enhance AI character capabilities within the Virtuals Protocol ecosystem.
- Collaborated with a wider AI community to support model and data quality improvements.

- Gained exposure to real-world AI contribution workflows and community-driven development practices.

Fake Review & Transaction Fraud Detection System   **Subang Jaya, Selangor**
– Future Hack (Hackathon Project)   *July 2025*

- Developed AI-based models to identify suspicious reviews and fraudulent transaction patterns using supervised learning techniques.
- Performed data preprocessing, feature extraction, and evaluation to improve detection accuracy.
- Integrated the solution into a prototype web application for demonstration purposes.

Attendify -Proof of Attendance NFT Badge System   **Bukit Jalil, Kuala Lumpur**
– DEVMATCH (APUBCC)   *August 2025*

- Developed a Web3-powered platform providing blockchain-verified proof-of-attendance using NFT badges.
- Integrated AI-driven event recommendation features that generated personalized event suggestions with match scores and reasoning.
- Implemented core user workflows including wallet connection, NFT badge minting, event discovery, and user dashboards.
- Collaborated in a hackathon team to design, implement, and present a functional prototype under time constraints.

LEADERSHIP

Head Secretary   **Bukit Jalil, Kuala Lumpur**
APU Artificial Intelligence Club (APU AIC)   *December 2025 –Present*

- Manage official documentation, meeting minutes, and internal communications for the university AI club.
- Coordinate with committee members to support event planning, scheduling, and execution.
- Ensure accurate record-keeping and timely dissemination of information to members.

Member – Event Management Department   **Bukit Jalil, Kuala Lumpur**
APU Artificial Intelligence Club (APU AIC)   *March 2025 - December 2025*

- Supported the planning and execution of AI-related events, workshops, and community activities.
- Assisted in coordinating logistics, registrations, and on-ground event operations.

Head Secretary   **Bukit Jalil, Kuala Lumpur**
APU Karting Club   *August 2025 - Present*

- Handled administrative responsibilities including documentation, coordination, and internal communication.
- Supported club operations and assisted committee members in organizing club activities.

Assistant Secretary   **Bukit Jalil, Kuala Lumpur**
Asia Pacific Analytics Club (APAC)   *March 2025 - Present*

- Assisted the secretary in managing records, communications, and administrative tasks.
- Supported analytics-related events, workshops, and collaborations.

Club Admin   **Bukit Jalil, Kuala Lumpur**
Rotaract Club of APU   *June 2024 - Present*

- Managed administrative operations and member coordination for club activities.
- Supported planning and execution of service and leadership initiatives.

Director of Community Service   **Bukit Jalil, Kuala Lumpur**
Rotaract Club of APU   *June 2023 – June 2024*

- Led community service initiatives and volunteer programs.
- Coordinated teams, external partners, and logistics for outreach projects.

Head Of Librarian   **Kuchai Lama, Kuala Lumpur**
SMK Seri Sentosa   *December 2021 – January 2023*

- Oversaw daily library operations, book circulation, and student librarian teams.
- Coordinated library activities, reading programs, and resource organization.
- Supported school-wide literacy initiatives and ensured orderly library management.

Head Of Nilam Programme   **Kuchai Lama, Kuala Lumpur**
SMK Seri Sentosa   *December 2020 – December 2021*

- Led the NILAM (reading programme) initiative to promote reading culture among students.
- Assisted in tracking reading records and coordinating related activities.
- Supported collaboration between teachers and student librarians.

Student Librarian   **Kuchai Lama, Kuala Lumpur**
SMK Seri Sentosa   *July 2018 – December 2020*

- Assisted in book cataloguing, shelving, and circulation management.
- Supported daily library operations and student services.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C#, C++, R, x86 Assembly
- **Frameworks and Tools:** Streamlit, Botpress, Cisco Packet Tracer, Visual Studio Code, Git
- **Databases and Systems:** SQL Server, SQL, Red Hat Linux
- **Core Concept:** Object-Oriented Programming, Data Structures, Data Analytics, Machine Learning Fundamentals, Fraud Detection, System Design

Language

- **English** – Fluent
- **Bahasa Malaysia** – Fluent
- **Mandarin** – Fluent
- **Cantonese** – Fluent

Internship commencement date and duration: *11th May 2026 – 28th August 2026*