HAN JUIN WONG

Graduate AI/ Software Engineer

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CAREER OBJECTIVE

Curious and driven aspiring software engineer currently pursuing a Master's in Computer and Information Sciences at AUT. I thrive on solving real-world problems through clean, efficient code and enjoy building applications that make a meaningful impact. Inspired by AI and machine learning, I aim to harness their power to build intelligent models and tools that drive innovation. Whether I'm coding or strategizing over a board game, I bring creativity, focus, and a deep love for logic to every challenge. Eager to contribute to forward-thinking development teams and grow through collaboration and hands-on experience.

EXPERIENCE

Housekeeping Supervisor

Millbrook

📅 Mar 2022 – Jun 2024   📍 Queenstown

- Supported IT maintenance of housekeeping systems, aiding in troubleshooting and upgrades.
- Created detailed SOPs and procurement workflows using Excel and Word, improving operational consistency.
- Developed a budget control system for hotel supplies to optimize spending and reduce waste.
- Automated day-to-day operational tasks, improving efficiency and reducing manual workload for the team.
- Led a team of 6–10, ensuring daily execution met 5-star standards.
- Completed the Aspiring Leader Course, focusing on leadership fundamentals, effective team management, and communication strategies to support growth into supervisory and managerial roles.

IT Intern

DKSH

📅 Feb 2016 – May 2016   📍 Kuala Lumpur

- Implemented an electronic document signing system using SharePoint and JavaScript, reducing manual approval time and streamlining the document review workflow across departments.
- Collected and maintained comprehensive technical documentation for system configurations, workflows, and user guides to support internal IT operations and future onboarding.

MY LIFE PHILOSOPHY

"Chasing goals so my cat doesn't have to chase mice."

EDUCATION

M.Sc. in Computer and Information Sciences

Auckland University of Technology

📅 Jul 2024 – Nov 2025   📍 New Zealand

Relevant Papers

- Artificial Intelligence
- Deep Learning
- Text Mining
- Data Warehouse and Big Data
- Data Mining and Machine Learning
- Mobile System Development
- Cryptography
- STEM

B.Sc. in Computer Sciences

Asia Pacific University

📅 Apr 2016 – Jul 2019   📍 Malaysia

Relevant Papers

- Algorithm
- Data Structure
- Object Oriented Development with Java
- Concurrent Programming
- Web Application
- System Development Method

MOST PROUD OF

🏆 **Rising Star Award**
Awarded at Millbrook Resort for outstanding dedication and consistent high performance.

❤️ **Individual's Utmost Achievement**
Gold Medal in Co-curriculum Activities

PROJECTS

Assignment Management System
APU Final Year Project

- Designed and developed a web-based assignment management platform using C# and ASP.NET MVC to facilitate interaction between lecturers and students.
- Implemented features for assignment creation, submission tracking, deadline management, and progress monitoring.
- Developed role-based access control (RBAC) to ensure secure login and appropriate access for users (e.g., student, lecturer).

Barcode Scanning Application with AI
AUT Project

- Developed a mobile application using React Native and JavaScript to scan product barcodes and retrieve detailed sustainability information, including carbon footprint and recyclability ratings.
- Integrated an AI model to analyze product metadata and provide users with intelligent suggestions for eco-friendly alternatives.
- Designed the app interface for real-time scanning, implemented API integration for product lookup, and optimized performance for Android devices.
- Project aimed to promote environmental awareness and support responsible consumer behavior through technology.

Currency Recognition Using Deep Learning
AUT Project

- Developed a computer vision system to automatically detect and recognize New Zealand dollar bills using YOLO object detection architecture.
- Collected and labeled custom image datasets; trained a deep learning model to identify currency denominations with high accuracy.
- Implemented the system in Python using PyTorch, OpenCV, and ultralytics, with final outputs rendered as annotated video frames.

ACADEMIC PAPERS & RESEARCH

- **Explainable AI for Traffic Prediction**: Analyzed the role of interpretability in traffic prediction using SHAP, explored the use of XAI to inform policy-making in intelligent transportation systems.
- **AI for Social Good**: Reviewed the impact of artificial intelligence on healthcare and environmental sustainability, highlighting ethical concerns and applications aligned with social benefit.
- **Flood Prediction Using LSTM**: Built a LSTM model to forecast flood risks using historical rainfall and river-level data.
- **Text Mining and Demographic Analysis**: Applied frequency count and TF-IDF techniques to a large corpus of blog data to extract and compare dominant themes across demographic groups, providing insights into linguistic patterns and social behavior.

STRENGTHS

Soft Skill

- Critical Thinking
- Leadership
- Time Management
- Teamwork
- Training & Mentoring
- Effective Communication
- Project Management
- Proactive
- Eye for detail

Technical Skill

Python | Tensor Flow | PyTorch | C# | .Net | MVC | React JS | GitHub | RESTful API | SQL Server | Java | JavaScript | CSS | MS Office | LaTeX | Illustrator | Premiere Pro | After Effect | Photoshop

LANGUAGES

English ●●●●◐

Mandarin ●●●●●

Cantonese ●●●●○

Malay ●●●●○

HOBBIES

Boardgames | Music | Movies | Video Games

REFEREES

Available upon request