# HAN JUIN WONG

## **Graduate AI/ Software Engineer**

@ hanjuin@live.com

**J** 021 108 2893

Mt Roskill, Auckland

hanjuin.com

in han-juin-wong

nanjuin

## 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 Share-Point 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

#### **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 Al

#### **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.
- Al 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
- Eve for detail

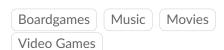
#### **Technical Skill**



# **LANGUAGES**



# **HOBBIES**



#### REFEREES

Available upon request