Hao Li *(Bruce Li)*

I am currently doing Master of Computer Science. I have wide experience in doing projects individually or as a team, especially Cyber Security and Big Data. The programming languages I have learned are Python, C, Java, and SQL. I am a confident, passionate, and hard-working individual. I am good at building trust and relationship with colleagues and customers. I would love to have the opportunity to work in the IT field to gain valuable practical experience and contribute my best to the company.

PROJECTS

Most projects are visible in GitHub

- **YOLOv3-IoU** is used for pedestrian detection. It is based on You Only Look Once (YOLO) algorithm and the improved Intersection over Union (IoU) loss function.
- **Heroes and Villains** is a Java game application with cache, the player can create a hero team with different attributes, the player is able to go to north, south, east or west, the different direction represent a place, for example, hospital helps heroes to recover health, villains lair has villains to fight.
- **Piano Tiles** is a two-players embedded system application within a UCFK4 microcontroller, the players eliminate the incoming piano tiles by switching and clicking a navigation button, the incoming speed of piano tiles is followed by the flow of music.
- **RIP routing protocol** is implemented by Python, it can build a router network, find the best path between the source and the destination router, and converges into a minimum hop state after switching off one or more of the routers.
- **Invading aliens and base** is a computer graphics project implemented by OpenGL. The design based on invading aliens and their base. They are some interesting parts inside the base, energy diamond, UFO, aliens, and cannons, etc.
- **Breast Cancer classification** is trained Convolutional Neural Networks model, classify benign and malignant breast cancer tumors by histopathological Image.

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- https://github.com/HaoBruceLi
- https://www.linkedin.com/in/bruce-li-19560015b/

EDUCATION

University of Canterbury
03/2021 – Present
Master of Computer Science

University of Canterbury
02/2020 – 11/2020
Postgraduate Diploma of Computer Science

University of Canterbury
02/2017 – 11/2019
Bachelor of Computer Science

Catholic Cathedral College
02/2015 – 12/2016
NCEA Level 2 & 3 endorsed with Excellence

- Award letter of recognition in Calculus reflects hard work and dedication to my studies

EMPLOYMENT HISTORY

Fabrum Solutions – Data Analyst *(2020 - 2021)*

- Data mining from Cryogenic systems in the field
- Developing programs for automated data visualisation and trend tracking
- Automate data analysis to pre-empt field system failures.

Canterbury International College (CANIC) – Tutor *(2018 – 2020)*

- Tutoring high school students in Calculus, Statistics, and Computer operations

Sue's Takeaway and Convenience Store – Cashier / Sous chef *(2017 – 2018)*

- Handle customer orders
- Basic Cleaning
- Cooking Takeaway food

REFEREES

Ray Hunt

Adjunct Associate Professor in University of Canterbury

University of South Australia

University of London

ray.hunt@canterbury.ac.nz

+64-3-3371547

Shaun Palmer

Project Manager in Fabrum Solutions

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+027-555-8810

SKILLS

- Cyber Security
- Data Mining
- Database Operation
- Python, Java, C, SQL
- Deep Learning
- Emotional Intelligence
- Adaptability
- Collaboration
- Analytical thinking

INTERESTS

- Skiing
- Table Tennis
- Billiards
- GYM
- Badminton