Hao Li (Bruce Li)

I am currently studying a 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, and villains lair has villains for fighting.
- **Resume Webpage** is a self-designed and implemented webpage for displaying my resume online, which uses the common front-end technologies, including HTML, CSS, and Javascript.
- **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. There are some interesting parts designed 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. It applied Residual Neural Network to avoid vanishing gradient problem during many hidden layers. In the end, it reached 95.9% accuracy by Linear SVM Classifier.

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

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 / Chef *(2017 – 2018)*
- Handle customer orders
- Basic Cleaning
- Cooking Takeaway food

REFEREES

Clementine Gritti
Lecturer in University of Canterbury
clementine.gritti@canterbury.ac.nz
+03-369-0523

Shaun Palmer
Project Manager in Fabrum Solutions
shaun@fabrum.co.nz
+027-555-8810

SKILLS

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

INTERESTS

- Skiing
- Table Tennis
- Billiards
- GYM
- Badminton