

Hao Li (Bruce Li)

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SELF EVALUATION

- A passionate, good at communication, and down-to-earth Master of Computer Science graduate seeking an IT position.
- Wide experience in doing professional projects individually or as part of a team, such as Cloud and Deep Learning.
- Highly willing to apply my strong learning ability to learn, receive training, and contribute my best to the company.

PROFESSIONAL EXPERIENCES

• YOLOv3-IoU •

Improved the real-time object detection algorithm of You Only Look Once (YOLO)'s loss function, average precision of 0.6% improves compared with similar experimental results. This project mainly uses Convolutional Neural Networks (CNN), Deep Learning and Python.

• Heroes and Villains

Developed an archive-enabled Java game using Swing. Players create an NPC team with different attributes to explore an unknown map, they can fight, recover health or buy props, etc during exploring.

• Routing Information Protocol

Implemented Routing Information Protocol (RIP) using Python, the transport protocol in RIP is User Datagram Protocol (UDP). RIP uses hop count as a routing metric to find the best path between the source and the destination network.

• Practical Software Security Policy Implementation and Testing

Configured and simulated firewall protection for trusted networks. Expanded Penetration Testing and Intrusion Detection System against any malicious traffic and misconfiguration. Tools involved are Zenmap, FileZilla, Nessus, and Snort.

• Invading Aliens and Base

Implemented a computer graphics project using OpenGL and C++, showing a scene with a synchronized animation, highlighting techniques such as anti-aliasing, shadows, reflections, texture and spotlight.

WORKING EXPERIENCES

Fabrum Solutions – Data Analyst (11/2020 - 03/2021)

- Data mining from 29 types of data from Cryogenic systems in the field.
- Developed a program and provided 12 different status trending diagrams for automated data visualization and trend tracking.
- Performed automated data analysis to pre-empt field system failures.
- The improved automated data analysis process is 12x faster than the original method.

Sue's Takeaway and Convenience Store – Cashier / Chef (2017 – 2018)

- Provides a positive customer experience with fair, friendly, and courteous service.
- Followed procedures for safe food preparation, cooking, and selling.

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

EDUCATION

University of Canterbury

03/2021 – 05/2022

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

SKILLS

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

INTERESTS

- Woodworking
- Table Tennis
- Billiards
- Badminton
- Skiing