

# 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

### • Breast Cancer Classifications

A residual neural network model is trained using Python for the classification of benign and malignant breast cancers from histopathological images, which avoids the vanishing gradient problem. In the end, the linear SVM classifier achieved 95.9% accuracy.

### • 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

Emulated a small network with multiple instances and implemented Routing Information Protocol (RIP) using Python under the Linux OS. Aims to find the shortest path in the routing table and explore the response of the RIP protocol to different types of faults.

### • 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 Wireshark, Zenmap, FileZilla, Nessus, and Snort.

### • Changes in the Impact of Criminal Events

Collected real-time updates on global criminal events and their associated factors from GDELT 2.0, and used PySpark to observe how people are influenced by social media and gradually lose focus on criminal events. The main metric is the Jaccard distance.

## 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)

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**Shaun Palmer** (Project Manager in Fabrum Solutions)

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## 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, Spark, SQL
- Deep Learning
- Emotional Intelligence
- Collaboration
- Analytical thinking

## INTERESTS

- Woodworking
- Table Tennis
- Billiards
- Badminton
- Skiing