

# Xingxiang (Jeff) Luo

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## Profile

- Result-oriented analyst with excellent communication skills and fast-learning techniques
- Interested position: Software Engineer / Data Analyst

## Education

### **The University of Sydney - Bachelor of Computer Science and Technology** 2017.7 ~ 2020.9

- Weighted Average Grade: 83/100
- 2018 Dean's List of Excellence in Academic Performance
- 2017 Vice-Chancellor's International Scholarship
- Related Courses: Software Design, Algorithm Design, Machine Learning, Image Processing, Data Analytics

## Experience

- **STEM Education Sydney - Core Tutor** 2018.3 ~ 2020.6
  - Planned operations and designed tuition to increase the number of customers by 30%
  - Improved the performance of more than 300 students, reducing failures from 30% to 5%
- **Infineon Technologies - Student Consultant** 2013.8 ~ 2014.4
  - Applied data analysis and simulation models to evaluate the supply network.
  - Designed automated tools to optimise its logistics in speed, cost and service level.

## Programming Projects

- **Refactor of EPR Ordering System** 2020.3 ~ 2020.4
  - A school project written in Java to develop a command-line interface to interact with the client, enabling users to create order, save order and update database in servers.
  - Applied design patterns and concurrency techniques to expedite the saving of orders.
- **Data Analysis of Viral Vulnerability of 312 areas in Sydney** 2020.3 ~ 2020.4
  - A data analysis research designed to reveal viral vulnerability, using Python to scrape data from government websites, using SQL for data management on servers.
  - Applied indexing to speed up query and mathematical models to compute score, and Python scripts to automate spatial visualisation of the viral vulnerability of 312 regions.
- **Capstone Project: Trading bot for MetaTrade** 2019.8 ~ 2019.11
  - Led a 5-man developer group to use Python and C++ to interface between MetaTrader and Python scripts, automated trading operations for the client, documented knowledge management using BitBucket and user manual.
  - Scored 92/100 and impressed the client (trading algorithm developers) and professors.

## Skills

- Excel, Java, Python, MySQL, R, Git, Matlab, C++, Shell, Data Analysis