

JACK OLIVER

jackoli3@me.com | github.com/blademaw
Clayton VIC 3168 | Melbourne, Australia

EDUCATION

Monash University · Melbourne, Australia

August 2019 – Present

Bachelor of Computer Science, with specialisation in Data Science

Weighted Average Mark: 85.27

Overall GPA: 3.88

ESF Island School · Hong Kong

2012 – 2019

International Baccalaureate Diploma, Chairman's Award for Excellence

Graduating Score: 42/45 IB Points

EXPERIENCE

SensiLab – Student Research Assistant

June – July 2021
Melbourne, Australia

- Designed and implemented multiple visualisations of an AI-based music system in Java using Processing and Open Sound Control
- Critically evaluated visualisations, incorporated client feedback and used NVivo software to refine solutions
- Collaborated with a team of researchers to expand Markov model to conform to explainable AI principles

August 2020 – February 2021

English Schools Foundation, Hong Kong – Educational Assistant, Part-time

Hong Kong

- Supervised and taught Year 6 class, via Zoom distance-learning and in-person classes alongside principal teacher
- Administered managerial tasks via Google suite & organized collaborative documents for colleagues

July 2020

Crossroads Foundation, Hong Kong – Distributions Volunteer

Hong Kong

- Assisted in supervision of customer orders in the Hong Kong distribution department to aid underprivileged Hong Kong residents through donation of goods

ACHIEVEMENTS

Monash University,
Australia

- Faculty of IT Winter Vacation Research Scholarship Recipient
- Two Letters of Commendation for Academic Performance

English Schools Foundation,
Hong Kong

- Chairman's Award for Excellence
- Spanish & Computer Science SL Senior Awards Recipient

SKILLS

Programming Languages

Python 3, R for data science. Experience with Java, database management with SQL, web database interface languages and integration (HTML, CSS, JavaScript, & PHP)

Suites & Modules

Experience with Anaconda suite for data science, Python libraries *Matplotlib, pandas, SciPy & NumPy*

General

Native English speaker, Australian & U.S. citizen, permanent Hong Kong resident

PROJECTS

Pysweeper (November 2019)

github.com/blademaw/pysweeper

- Designed and developed a ground-up Python 3 implementation of grid text-based Minesweeper
- Wrote custom algorithms for board generation, square-revealing pathfinding, and win condition verification

HKO Weather Data Scraper (July 2018)

- Used Python 3 library *Beautiful Soup* with the Selenium Python API to create a web scraper to retrieve daily weather forecasts from the Hong Kong Observatory website
- Filtered and processed scraped data to display in Unix shell formatted as a prompt