JACK OLIVER

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Melbourne VIC 3003, Australia

EDUCATION

The University of Melbourne · Melbourne, Australia *2022 – 2024*
Master of Computer Science
Current Weighted Average Mark: 85/100

Monash University · Melbourne, Australia *2019 – 2022*
Bachelor of Computer Science in Data Science
Weighted Average Mark: 85/100
GPA: 3.9/4.0

EXPERIENCE

March 2023 – Present
Deloitte – Financial Risk & Regulatory Analyst *Melbourne, Australia*

- Selected as first Australian secondee to Frankfurt-based global AI software development and research team to represent Deloitte Australia during six-month rotation
- Led technical impact analysis of credit scorecard strategy re-build for large Australian telecommunications company, liaising with senior leadership for strategy discussions
- Architected in-house client credit rating model to simulate various credit assignment strategies and assess impacts on total equipment limits and bad debt
- Developed Python scripts to scrape, clean, and transform customer payment and transaction log data for large insurance firm, saving approximately 4 weeks of manual work

June – July 2021
SensiLab – Student Research Assistant *Melbourne, Australia*

- Created interactive software in Java for AI-based collaborative music improvisation system
- Designed interactive visualisations using Processing & Open Sound Control to process real-time MIDI data for use with study participants
- Collaborated with broader research team to iteratively pursue innovative solutions and conform to explainable AI principles

ACHIEVEMENTS

Melbourne University, Australia
- 2023 Dean's List (top 5% of academic performance in cohort)
- Melbourne Graduate Scholarship Recipient
- Airwallex Excellence in Technology Masters Scholarship Recipient (full scholarship)

Monash University, Australia
- Faculty of IT Industry Based Learning Scholarship Recipient
- Faculty of IT Winter Vacation Research Scholarship Recipient
- Four Letters of Commendation for Academic Performance

SKILLS

Programming Languages	Python, R for data science. Experience with declarative languages like Haskell, Prolog, and SQL. Comfortable with LaTeX. Experience with Go, Java, and some Rust.
Suites, Modules, & Environments	Anaconda suite for data science; SciPy stack (NumPy, pandas, Matplotlib) for Python; scikit-learn for machine learning. Experience with Git and Atlassian software (JIRA, Bitbucket). Comfortable in a Unix shell and environment.
Other	Australian & United States citizen, Hong Kong permanent resident.

VOLUNTEERING

Monash Data Science Society – Marketing Director (February – December 2022) monashdss.com

- Managed team of marketing and design officers to produce social media material
- Directed release of social media posts to advertise student-run data science events

Monash University

- Faculty of IT Student Engagement Coding Bootcamp tutor (March 2022)
- Industry Based Learning (IBL) Student Ambassador (February 2022)
- Guest speaker at IBL Grad-Ready Interview Tips session (August 2022)
- Guest speaker at IT professional career/industry seminar (FIT1049) (March, September 2023; March 2024)

OTHER INVOLVEMENTS & PROJECTS

Technical Blog (October 2021 – Present)   blademaw.github.io

- Technical side projects, personal pursuits, and deep dives into topics of interest for leisure
- Built in Python with Pelican, visually tweaked with custom CSS, deployed with Github pages, written using Jupyter Notebooks and Markdown for article content

Coursera Courses

- *Advanced Statistics for Data Science* – Statistics refresher with a focus on empirical biostatistics (largely hypothesis testing) and matrix algebra for linear regression models
- *Probabilistic Graphical Models 1* — Introduction to Markovian and Bayesian networks