

Edward Weinstock

-  Australian Citizen
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Education

**Master of Science
Mathematics and Statistics**
University of Melbourne
First class honours

**Bachelor of Science
Mathematics and Statistics**
University of Melbourne

Competencies

Data Science, Statistics & Probability

- Machine Learning
- Statistical Modelling & Analysis
- Bayesian Learning
- Stochastic Calculus

Operations Research

- Mathematical Modelling
- Linear & Nonlinear Optimisation
- Mixed Integer Programming
- Algorithm and Heuristic Design
- Game Theory

Languages

Proficient

Python • SQL • R • Julia

Familiar

JavaScript • C • Java • MATLAB

Tools

Microsoft Office • Git • AWS • Keras • PuLP & JuMP • \LaTeX

Awards

Mathematics and Statistics School
Scholarship, 2018 & 2019
Best Sketch - Melbourne University
Comedy Revue Board 2017
Winner of Melbourne Ideas Challenge
2016
AMEB Violin Grade 7 with Honours

Interests

Orchestral & Chamber Violin
Music Composition
Writing & Performing Sketch Comedy
Utilitarian ethics

Mathematics and Statistics

Research — the Bitcoin P2P Network Topology: a Review of Inference Techniques and Machine Learning Approach *University of Melbourne*
Jul 2018 – Oct 2019

- Research into developing and adapting techniques from machine learning to infer the topology of the peer-to-peer, full-node network underlying Bitcoin; and its implications into Bitcoin's pseudonymity properties.

Teaching Assistant *Melbourne Business School*
Mar 2019 – Oct 2019

- Designing and running seminars in the Master of Business Administration program for topics in Optimisation and Decision Making.

Tutor *University of Melbourne*
Mar 2019 – Oct 2019

- Teaching classes in statistics and supervising programming labs in R.

Analytics and AI Consulting Intern *Deloitte Consulting*
Nov 2018 – Dec 2018

- Implemented and tested data models for Fortune 100 clients in the energy and automotive industries.
- Significantly improved project practices by automating data pipelining.

Project Management

Music Festival Coordinator *University of Melbourne*
Nov 2018 - Current

- Coordinating several student groups to create events and a large-scale arts program for students at the University of Melbourne.
- Drafting regulations and documents to guide the creation and operations of the program.
- Negotiating with stakeholders at the University to seek funding and resources to build the program, successfully winning a \$50,000 grant.

Enterprise Program Lead *University of Melbourne*
Feb 2017 - Nov 2017

- Designed and developed a new program for students to run businesses, implementing an initial trial of 11 student groups.
- Ran and analysed a 450 respondent student survey to optimise the program.
- Consulted with various stakeholders across the organisation to navigate complex requirements.

Activities Officer *University of Melbourne Student Union*
Dec 2015 - Nov 2016

- Managed a budget of \$120,000 to deliver social and cultural programs to the 50,000 students at the University.
- Oversaw a pool of 60 volunteers to coordinate and deliver events, often collaborating with student organisations and other stakeholders, delivering 2-4 events per week across 24 weeks, for up to 700 students per event.

Board Member *University of Melbourne Student Union*
Jan 2015 - Nov 2016

- Part of the board allocating and spending the organisation's \$5 million annual budget, and deciding on organisational policy and operations.

Student Campaign Coordinator *University of Melbourne Student Union*
Sep 2016 - Sep 2017

- Assembled and organised a team of 130 volunteers to successfully win a student union election.
- Contributed to the creation of policies to be implemented to improve student experiences at the University of Melbourne.