

Maxwell Bruce

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github.com/MWBruce

About

I am an Honors Computer Science and Commerce (Major in Corporate Finance and Accounting) student graduating in November 2024 from the University of Adelaide. Furthermore, notably I have three years of accounting experience, two internship experiences as well as the Software Engineering Award and the Summer Research Scholarship from the University of Adelaide. This resume encapsulates my key experiences and skills, yet for more comprehensive insights and details about my professional path, I invite you to visit my professional webpage designed and developed by me at <https://mwbruce.github.io/#>.

Education (GPA 6.3/7.0)

Bachelor of Computer Science

The University of Adelaide

Graduating November 2024

Bachelor of Commerce

The University of Adelaide

Graduated July 2022

Awards

Adelaide Summer Research Scholarship

2023/2024

The Software Engineering Prize

2023/2024

Experience

SAAB Australia

11/2023 – Present

Modelling and Analysis Engineer – Part Time (Originally Intern)

- Developed and validated models to simulate and analyse defence systems including and not limited to Generative Adversarial Networks, Diffusion Models, Convolutional Neural Networks and LSTM.
- Utilised Python and C++ in developing solutions to various defense software projects.

Australian Institute for Machine Learning

04/2023 – Present

Machine Learning Researcher (Originally Intern)

- Developed various machine learning algorithms allowing me to develop a foundation of machine learning knowledge.
- Currently developing a research paper relating to machine learning and its financial applications.

RJC Evans & Co Pty Ltd

04/2020 – 04/2023

Accountant (Tax and Audit)

- Prepared Income Tax Returns, Financial Statements for clients.
- Corresponded with various clientele and ensured their financial responsibilities were in order.
- Interpreted and advised on interpretation of client financial positioning.

Community Engagement

Competitive Programming Club

11/2023 – Present

Treasurer (Volunteer)

- Compete in various competitive programming competitions in teams of three.
- Manage the club's financial responsibilities including cashflows.

Project Everest Ventures

11/2020 – 12/2020

Trekker (Volunteer)

- Volunteered for just over a month in visiting numerous villages in Fiji in an effort to ascertain and integrate genetically modified plants that would be better able to handle the harsh weather conditions.
- Worked in a team of 20 people in performing economic research in village sales to overcome a lack of digitalized data.

Projects

HTML/CSS - <https://github.com/MWBruce/MWBruce.github.io> (Or web link <https://mwbruce.github.io/#>).

My professional website outlining all up-to-date projects I am doing and relevant information about me -

<https://mwbruce.github.io/#>

C++ - <https://github.com/MWBruce/FinancialModelingPrepWrapper>

Developing a wrapper for a popular stock data API to collect users requested data and also extract additional information not offered by the API itself.

Languages

C++, Python, HTML, Java, SQL, JavaScript, CSS, C, Matlab