

Steven Nguyen

DATA SCIENTIST · SOFTWARE ENGINEER

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Experience

Eratos

Melbourne, Australia

DATA SCIENTIST

Apr. 2024 -

- Productionalised scientific climate models for agriculture and climate research for use on Eratos' data platform.
- Developed an automatic email system to provide high resolution weather data daily to specific locations.
- Maintained a variety of Python client libraries, including writing tests and updating CI/CD pipelines with Github Actions.

ANZ Banking Group

Melbourne, Australia

TECHNOLOGY INTERN

Nov. 2023 - Apr. 2024

- Interned under Institutional Banking technology division, across two portfolios.
- Developed automation scripts in Python for internal workforce financial planning.
- Worked on an extensive machine learning project with institutional credit lending team applying NLP techniques, primarily LLMs, for information retrieval.

University of Melbourne

Melbourne, Australia

RESEARCH ASSISTANT

Mar. 2023 - Dec. 2023

- Undertook an applied natural language processing project, experimenting with models for a novel regression task.
- Used open source frameworks such as PyTorch extensively.

Dysrupt Labs

Melbourne, Australia

DATA SCIENTIST

Jan. 2023 - Oct 2023

- Developed and evaluated inference methods for prediction market data using R and Python.
- Created a process for an automated summary report of the platform's data for stakeholders, alongside an accompanying dashboard.

University of Melbourne & Eratos

Melbourne, Australia

RESEARCH INTERN

Nov. 2022 - May. 2023

- Worked together with Eratos, a DataOps company to research user needs and develop tools using climate data in Python.
- Conducted user interviews to gather research data and validate product designs.
- Prototyped a statistical model for forecasting of bad weather days in the construction industry.

Revium

Melbourne, Australia

JUNIOR DATA ANALYST

Nov. 2021 - Oct. 2022

- Used Google Marketing Platform (Analytics, Data Studio, Tag Manager) extensively to provide valuable insights for clients.
- Created bespoke data visualisations in R and Python, together with dashboards in Power BI.
- Built modules for data extraction using APIs from ad and analytics platforms, reducing costs from usage of vendor software.

Education

The University of Melbourne

Melbourne, Australia

MASTER OF SCIENCE (MATHEMATICS & STATISTICS) (WITH DISTINCTION)

Jul. 2022 - Dec. 2024

Specialising in Statistics and Stochastic Processes, with a minor in Operations Research.

The University of Melbourne

Melbourne, Australia

DIPLOMA IN COMPUTING

Mar. 2021 - Jul. 2022

The University of Melbourne

Melbourne, Australia

BACHELOR OF SCIENCE (MATHEMATICS & STATISTICS)

Mar. 2019 - Jul. 2022

Specialising in Statistics and Stochastic Processes.

Melbourne High School

Melbourne, Australia

HIGH SCHOOL

Jan. 2015 - Dec. 2018

Skills

Programming Languages

Python, R, SQL, Java

Tooling

Git, Bash, Slurm (Cluster Computing), AWS, Docker

Competencies

Machine Learning, Data Analysis, Statistical Modelling, CI/CD, OOP, REST

Volunteering

Melbourne University Table Tennis Club

SOCIAL EVENTS MANAGER

Nov. 2021 - Nov. 2022

- Current manager of website muttc.com.
- Facilitating the planning of social events by acting as a communicator between the committee and other parties.

CLUB SECRETARY

Nov. 2020 - Nov. 2021

- Creating meeting agendas to develop goals, set plans, and key actions.
- Acted to ensure ongoing development of the club's operations and progress towards future goals.

SOCIAL MEDIA OFFICER

Nov. 2019 - Nov. 2020

- Assisted in the creation and marketing of online events in 2020.

VCE Summer School

MATHEMATICS TUTOR

Jan. 2020

- Taught mathematics classes for disadvantaged VCE students, while also collaborating with other tutors in preparing classes, arranging social events, and helping students.

Publications

CONFERENCE PROCEEDINGS

Predicting Empathic Accuracy from User-Designer Interviews

Steven Nguyen, Katja Holtta-Otto, Daniel Emilio Beck

in Proceedings of the The 21st Annual Workshop of the Australasian Language Technology Association, 2023

Awards

Mathematics & Statistics School Scholarship

THE UNIVERSITY OF MELBOURNE

- For maintaining a First Class Honours WAM throughout the MSc.

Dean's Honours List 2021

THE UNIVERSITY OF MELBOURNE

- Awarded to the top 3% of students in the prior year.

Mathematics & Statistics Vacation Scholarship

THE UNIVERSITY OF MELBOURNE

Dec. 2020 - Jan. 2021

- Project Title - Estimation of Birth and Death Processes
- Supervisor - Dr Sophie Hautphenne