# 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