

# Alexander Russell

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## WORK EXPERIENCE

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### Pedestal3D

Apr 2023 – Ongoing

*Junior Software Developer*

*Sydney, NSW*

- Engaged with unreleased software with excellent attention to detail, analysing problems and effectively utilising Jira issue-tracking software to accelerate product development
- Developed and extended existing codebase to deliver on customer needs, solving new problems innovatively
- Worked independently in a small Sydney-based startup with limited oversight, overcoming challenges with lateral thinking skills

### Macquarie University

Feb 2023 – Ongoing

*Instructor*

*Sydney, NSW*

- Taught Computer Science, Statistics and Data Analysis to first- and second-year university students. Languages taught are R, Java, C and Assembly
- Communicated effectively to a classroom of students, conveying complex information in an accessible manner
- Encouraged teamwork within the classroom, facilitating peer connections
- Used lateral thinking skills to express key concepts a variety of ways

### Women's Community Shelters

Jul 2024 – Nov 2024

*Data Analyst*

*Sydney, NSW*

- Conducted original research to answer our clients project needs, integrating data from multiple sources into a programmatically generated report and presentation using R
- Managed the integrity of our data analysis codebase throughout, implement appropriate data tools to improve the quality of our analysis and increase the reliability of our output
- Worked within a small team, building a relationship with our client throughout the course of the project, ensuring our output aligned with their purpose

## EDUCATION

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### Macquarie University

Jan 2021 – Nov 2024

*Bachelor of Science, major in Statistical Modelling, minor in Biomolecular Science*

*Sydney, NSW*

- Weighted Average Mark (WAM) of 91.08/100
- Student representative for STAT3175, BMOL2201, BMOL2401

## AWARDS

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- 2025** Macquarie University Award for Academic Excellence
- 2024** Ho Kam-Chiu Statistics Prize; Highest achiever in COMP2291; Vacation Scholarship on “Using P-Splines and  $l_1$  norm in Cox models”, supervised by Jun Ma; Merit List
- 2023** Highest achiever in COMP1010; Merit List
- 2022** Ho Kam-Chiu Statistics Prize; Dean Frost Memorial Prize for Academic Excellence; Highest achiever in STAT2114 & COMP1000; Merit List

## SKILLS & INTERESTS

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- **Technical Skills:** R (incl. ggplot & shiny visualisation tools); JavaScript; HTML; CSS; Excel; Word; Microsoft Office Suite; Python; SQL; LaTeX; GitHub; C; Linux; PowerShell; .NET; Java; Julia
- **Interests:** Live music; data science; roller-skating; cooking; rock climbing