Albert Stark

albert3@mailfence.com   albert10032.github.io   Darlington, Sydney, Australia
Born in London, United Kingdom

Experience

➤ **UWL PESU admin**
Nov 2023 to Dec 2023, UWL Ealing campus
A data handling role where I managed the student expenses claims for nursing students on residency around London and Reading

Education

➤ **University of Sydney**
Bachelor of Science
Major: Mathematics, Minor: International Relations
February 2024 to Present, Camperdown/Darlington, Sydney, Australia
Distinction WAM

➤ **The Oratory School**
GCSE & A Levels
2016 to 2023, Woodcote, Nr Reading, UK
AAB at A Levels, 9-7 at GCSE

Projects

➤ **Better primitive roots modulo p**
Supervised by: John Voight, Sem 1 2026
An investigation in optimising the algorithms in `Magma` for finding primitive roots.

➤ **Neuronal dynamics and the Connor-Stevens model**
github.com/USYD-MATH3888-2025-Group-9/model-implementation
The concluding project for the Mathematics part of my B.Sc, working as a group I and 3 other students were able to demonstrate some interesting behaviour in the Connor-Stevens model for neurons, and characterise the physicality of this behaviour

➤ **Factorisation**
github.com/Albert10032/factorisation
An attempt to implement a general factorisation algorithm

Volunteering

➤ **Sydney University Mathematics Society (SUMS)**
Dec 2025 to Present, USU/USYD
I am a member of the Operations subcommittee, where I help to organise academic events, including the weekly seminar where PhD students, faculty members and guests give talks aimed at first year undergraduate students

➤ **USYD Puzzle Society**
April 2024 to Present, USU/USYD
I have been involved in running Puzzlesoc since I was in first year, when I joined as a subcommittee member for writing in April 2024. I went on to become editor-in-chief at the start of 2025 and the secretary in April of 2025. I stepped down from editor-in-chief at the end of 2025 and continue in the role of secretary, though I do contribute to puzzles occasionally.

➤ **Sydney University Judo Club (SUJC)**
August 2025 to Present, SUSF/USYD
I am a subcommittee member for Judo, and have represented the University at national level events.

Certifications

➤ **First aid**
HLTAID009: Provide CPR, **HLTAID010**: Provide basic emergency life support,
HLTAID011: Provide First Aid

Skills

➤ **Computer skills**
C, C++, Python, Bash, Magma, SageMath, LaTeX, Linux, Jupyter notebooks, HTML/CSS

➤ **Languages**
Japanese ($\approx$N3), Latin (GCSE), Elementary Persian and Chinese

References

Available upon request