

# JENSEN JONES

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I am a driven, final-year Computing Science student at UTS, maintaining a WAM over 90, with a keen passion for mathematics, finance, and high-performance software development.

## Education

### Bachelor of Computing Science (Honours)

2023 – 2026

*Major in Mathematical Analysis*

*University of Technology Sydney*

- Vice President - UTS Competitive Programming Society
- 90.56 WAM
- Dean's List recipient 2023, 2024, 2025
- Honours research topic: Modelling Complex Stimulated Brillouin Scattering (C++)

## Work Experience

### Software Developer Intern

Macquarie Group

2025 – 2026

*FX – Commodities and Global Markets*

- Server side & UI enhancements & bug fixes to the internal FX trading system
- Collaboration with traders to improve trading efficiency

### Maths & Computer Science Tutor

Self Employed

2025 – Pres

### Cabinet Maker

Ekard Concepts

2022 – 2025

### Semi-Professional Soccer Player

Western Rage FC

2022 – 2024

## Projects & Further Studies

### Crypto Live Market Analysis & Trading Bot

2025 – 2026

- Implemented in C++
- Asynchronous web socket server connection using Boost
- Live and configurable signal analysis and trading decisions

### Trading Exchange/Matching Engine

2024 – 2025

- Implemented in Java
- GRPC based server connectivity
- Swing based GUI

### Extra Courses

- |                                   |                           |      |
|-----------------------------------|---------------------------|------|
| • Machine Learning Specialisation | Stanford Online           | 2025 |
| • Options 201                     | Akuna Capital             | 2024 |
| • Options 101                     | Akuna Capital             | 2024 |
| • Introduction to Algorithms      | MIT Open Courseware       | 2023 |
| • CS50                            | Harvard University Online | 2022 |

### Extra Readings

- |  |                    |      |
|--|--------------------|------|
| • C++ Software Design                  | Klaus Iglberger    | 2026 |
| • C++ 23 Best Practices                | Jason Turner       | 2025 |
| • Inside the Machine                   | Jon Stokes         | 2025 |
| • A tour of C++                        | Bjarne Stroustrup  | 2025 |
| • Operating Systems: Three Easy Pieces | Remsi H & Andrea C | 2024 |
| • All About High Frequency trading     | Michael Durbin     | 2023 |

## Technical Skills

**Primary Languages:** C++, Java, Python

**Tools & Frameworks:** CMake, vcpkg, Boost, GTest, Docker, Junit, AssertJ, Mockito, SLF4J

## Interests

Soccer	Horticulture	Competitive Programming	Hiking	Music
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