

# JESSE OCONNOR

Computer Science Student

**Status:** B.Sc. Computer Science (Completing)

**Fields:** Software Engineering, Web Development, Database Design, Networking

**Techs:** Javascript, Java, C#, SQL, Git, PHP

**Activities:** Fitness, Gaming

Hamilton, New Zealand

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## Summary

Motivated and detail-orientated final year Computer Science student with a strong foundation in software development, algorithms, data structures, web development, database concepts, and networking. Experienced in various programming languages including Java, and C#, with a proven ability to design, develop, and implement innovative software solutions. Adept at problem-solving and critical thinking, with practical experience through academic projects. Strong team player with excellent communication skills, eager to contribute to dynamic development teams and advance a career in software engineering or related fields.

## Projects

### Encost Smart Graph Project - University of Waikato

[Repository](#)

- Acted as a Software Engineer at SoftFlux, collaborating with Encost, a smart home development company
- Developed a software system to visualise Encost's devices using a graph data structure
- Created a comprehensive Software Design Specification (SDS) document
- Utilised LaTeX to compile an engineering report that included component architecture, process diagrams etc.
- Developed a Functional Software Test Plan using black-box, white-box and mutation testing techniques
- Implemented a suite of functional unit tests in JUnit based on the test plan
- Followed SCRUM methodology to create a product backlog and plan sprints
- Developed the ESGP software, ensuring it met all high-priority functional requirements
- Maintained code quality and consistency through regular Git commits and clear documentation

## Work Experience

### Fun Ambassador - SkyCity, Bowl&Social

[Jun 2023 - present](#)

- Managed daily operations including cash handling, booking reservations, and maintaining equipment
- Gained experience with POS systems and inventory management, improving operational efficiency
- Collaborated with team members to organise events and leagues
- Provided exceptional customer service by assisting patrons with inquiries
- Contributed to a smoothly running establishment

### Cleaning Staff (Summer Job) - ISS Facility Services, Te Awa

[Dec 2022 - Feb 2023](#)

- Ensured high standards of cleanliness and hygiene throughout the site, including restrooms and common areas
- Efficiently managed waste disposal by regularly emptying bins and handling recycling
- Performed thorough cleaning tasks, ensuring all areas met health and safety standards
- Demonstrated strong time management and reliability by consistently completing tasks promptly
- Assisted visitors by providing directions and addressing inquiries courteously

### Math Tutor - NumberWorks'nWords

[Feb 2022 - Jul 2022](#)

- Provided individualised math tutoring for students from Year 1 to Year 13
- Assisted students in improving their understanding of mathematical concepts
- Fostered strong relationships with students through clear, consistent communication
- Encouraged critical thinking and problem-solving skills, helping students develop confidence

## Education

**B.Sc. Computer Science** - University of Waikato

2022 - Present

- *Completing*
- COMPX322, COMPX323, COMPX341, COMPX374, COMPX310, COMPX307
- *Completed*
- COMPX301, COMPX304, COMPX324, COMPX361, COMPX222, COMPX223, COMPX270

**B.Sc. Computer Science** - University of Otago

2021 - 2022

- Completed foundational coursework in computer science before transferring to the University of Waikato

<https://linkedin.com/in/jesse-oconnor> · <https://github.com/j3sseO>