

JESSE OCONNOR

Computer Science Student

Status: Bachelor of Computer Science (Completing)

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

Techs: JavaScript, React, 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

Portfolio Website - Personal Project

[Repository](#)

- Designed and developed a personal portfolio website using Svelte, JavaScript, and Tailwind CSS
- Created responsive and interactive web pages, ensuring compatibility across different devices and browsers
- Implemented dynamic content loading and smooth navigation to enhance user experience
- Utilised TailWindCSS for efficient and customisable styling, achieving a modern and clean design
- Deployed the website on Netlify, ensuring continuous integration and delivery for seamless updates

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

Bachelor of Computer Science - University of Waikato

2022 - Present

- **Completing**

- COMPX307 (Principles of Programming Languages)
- COMPX310 (Machine Learning)
- COMPX374 (Software Engineering Industry Project)

- **Completed**

- COMPX322 (Advanced Web Development)
- COMPX323 (Advanced Database Concepts)
- COMPX341 (Software Engineering Methods)
- COMPX301 (Design and Analysis of Algorithms)
- COMPX304 (Advanced Networking and Cyber Security)
- COMPX324 (User Experience Design)
- COMPX361 (Logic and Computation)

B.Sc. Computer Science - University of Otago

2021 - 2021

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

Skills

Communication - Proven ability to communicate effectively with team members and customers, as demonstrated in my roles at SkyCity and NumberWorks'nWords.

Problem-Solving - Adept at identifying problems and devising efficient solutions.

Critical Thinking - Applied critical thinking skills to solve complex problems in software development and mathematics.

Referees available on request

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