

OLIVER NYLAND

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SUMMARY

Driven and high-performing third-year Computer Science student with robust experience in Java, JavaScript, Python, and C. A proven communicator with hundreds of hours of experience tutoring a variety of age groups. Excited to transfer my skills to a professional environment and learn from other developers and professionals in a team.

PROJECTS

TeXQuick (In-Progress)

Node.js, Vite, React, KaTeX

- Building a LaTeX note-taking web app using React and Vite, focused on efficient and streamlined mathematical writing

Birds of Aotearoa (Academic)

Node.js, Express.js, EJS, MySQL

- Developed a full-stack web app for managing a MySQL database of New Zealand birds
- Implemented full support for CRUD operations on the database, including image uploading

ANDIE: A Non-Destructive Image Editor (Academic)

Java, Gradle

- Led a team to develop a Java image editing application, delegating tasks according to members' strengths and interests
- Implemented a range of non-destructive and reversible image operations
- Created a macro system which allowed for recording and replaying image operations

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, C, Python
- **Web Development:** HTML, CSS, React, Node.js, Express.js, EJS
- **Database Management:** SQL, PostgreSQL, MySQL
- **Version Control:** Git, GitHub, GitLab

EDUCATION

University of Otago

Dunedin, Otago

Bachelor of Science (Honours, anticipated), Computer Science

February 2023 – November 2026 (expected)

- Cumulative GPA: 8.6
- Worked with a range of languages and technologies including Java, JavaScript, C, and SQL
- Gained experience working on projects in fast-paced and collaborative environments

West Coast Trades Academy

Greymouth, West Coast

Computer Programming and Web Design

February 2021 – November 2022

- Excelled as a top student learning the basics of programming and web design
- Took an impassioned interest in learning from experienced mentors

PROFESSIONAL EXPERIENCE

Cluey Learning

Online Tutor

March 2024 – Present

- Communicated ideas in mathematics to students of all levels in Australia and New Zealand
- Adapted communication style to suit a wide range of client needs on the job