

ALEXIS MAÑOSCA

Profile Summary

I'm a third year computer science student, studying at the University of Waikato. I am curious for knowledge and enjoy taking on new challenges, when it comes to my studies. I'm interested in cyber security, artificial intelligence, and UI design, and would love to gain experience on these fields to give back to the community.

Skills

- **Programming Languages:** C#, Python, Java, JavaScript, HTML, CSS
- **Technical Skills:** Web Development, Networks & System Architecture, Data Structures & Algorithms, Artificial Intelligence, Database Management, Microsoft Office, Adobe Suite
- **Soft Skills:** Attention to detail, Teamwork, Problem-solving, Adaptability, Time management

Education

University of Waikato 2024 – Present
Bachelor of Computer Science

- Te Paewai o te Rangi: The University of Waikato Scholarship for Outstanding Academic Achievement (2024 - Present)
- CMS Prize for Excellence: Top 10 best full-time students in 200 level Computing and Mathematics (2025)

Sacred Heart Girls College 2019 – 2023
Secondary Education

- NCEA Level 1, 2, and 3 Excellence Endorsements
- First in Level 2 Digital Technologies and Level 3 Music
- College Cup for Instrumental Music and 2023 Musician of the Year

Experience

Music Teacher [Feb 2025 – Present]
Waikato Community School of Music

- Teaches and interacts with lots of people from various age groups
- Quickly adapts to changes based on student needs
- Create a fun and passionate learning environment for students

Academic Tutor [Mar 2024 – Dec 2024]
Inspiration Education

- Provided personal one-to-one tutoring
- Problem-solving skills for personalised lessons
- Communicated between parents and student

Projects

Independent Programming Projects

github.com/kesauce

- Created a console chatroom using Node.js and Websockets
- Designed and implemented my own portfolio website
- Created a cooking game using Javascript and Phaser library
- Began a LAN communication application and designed its UI using JavaFX

University Projects

- Created applications using both TCP and UDP using Java
- Created and designed HTML and CSS websites with JavaScript, Node.js, and React
- Experimented with AI algorithms including search algorithms, natural language processing, and transformers with Python
- Built data structures including graphs, linked lists, and trees with Java
- Built and queried databases with MySQL and PHP
- Created forms with C#
- Analysed data and created graphs with R
- Created mobile apps with Android Studio, Google Services and APIs

Achievements

- Participated in the 2025 New Zealand Cyber Security Challenge
- Bronze Student Volunteer Army Badge
- 3rd Regional Finalist in 2023 Smokefree Rockquest
- 2023 Smokefree Rockquest Musicianship Award
- Led the SHGC Jazz Combo and SHGC Guitar Ensemble
- Several awards for SHGC Jazz Combo and Guitar Ensemble in music festivals
- Organised and choreographed a large cultural dance group