NOAH **HAGAR-DENT**

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About Me

I'm a second year BE (Hons) student at the University of Auckland specializing in Software Engineering. I have a strong passion for learning and I am constantly challenging myself to expand my knowledge and gain a better understanding of the world around me. I always strive to achieve the best results I can in all areas of my life: Personal, professional and academic. My motivation to learn and to succeed has had a very apparent impact on my life, helping me to achieve outstanding grades but also to grow interpersonally and become a great communicator and leader.

Education

University of Auckland   Feb 2022 - Nov 2025
Bachelor of Software Engineering (Honours)
• **Courses:** OOP in Java, Software Quality Assurance, Data Structures, Algorithms
• **Grade:** A/A+

Rototuna High School   Feb 2019 - Dec 2021
National Certificate of Educational Achievement
• **Courses:** NCEA Level 3 Calculus, Physics, Biology, Chemistry, English
• **Grade:** Proxime Accessit, NCEA Level 3 Endorsed with Excellence

Skills

Languages: Java, C, HTML, CSS, MATLAB, Python,
Interpersonal: Leadership, Time Management, Teamwork, Communication, Customer Care

Projects

Graph Calculator (Java)   2023
• A program used to calculate properties of a graph such as reflexivity, transitivity, symmetry and antisymmetry, as well as perform graph searching algorithms.
• Implemented a breadth first and depth first search both iteratively and recursively.

Morra (Java)   2023
• A text-based Java implementation of the traditional Italian hand game, Morra.
• Includes multiple levels of increasingly skilled AI to play against.
• Implements the factory and strategy design patterns for more readable code.

Boulder Break (C)   2022
• A text-based puzzle game in C.
• Program performs 2D array and string manipulation to display game board.

Plagiarism Checker (MATLAB)   2022
• A program that compares the similarities between code and documents to check for plagiarism.
• Calculates a document "fingerprint" using the winnowing algorithm to compare to other fingerprints.

Professional Experience

The NZPMC Ltd
Auckland, NZ
Workshop Manager   Sept 2022 – Present
- Organizer of on-campus events for promotion and to encourage students to learn calculus and physics
- Manager of online student forum to offer assistance and answer student questions

Inspiration Education
Auckland, NZ
Tutor   Oct 2022 – Dec 2022
- Helped students achieve excellence-level marks on NCEA Level 1, 2 and 3 exams
- Effectively implemented the Holistic Model of Learning to meet student's needs
    - Student's achieved desired grades and improved self-efficacy

Warehouse Stationery
Hamilton, NZ
Copy Centre Specialist   Oct 2021 – Jan 2022
- Printed, edited and organized photos, posters and documents
- Thorough experience with Photoshop, Adobe Acrobat and PrintMe
- Managed a team of 2-3 members
- Taught new hires copy centre basics

McDonalds St James
Hamilton, NZ
Team Member   Sep 2020 – Oct 2021
- Thorough experience in customer care
- Specialised in serving customers at counter and drive-thru
- Filled in for shift managers, managed teams of 8-10 crew members

Extracurriculars

GDSC General Executive
May 2023 – Present
- Google Developer Student Clubs (GDSC) is a club at the University of Auckland that is partnered with Google to deliver students at UoA experiences with advanced technology.
- As a General Executive, I am involved in planning and running events for students on-campus.

NZPMC Workshop Manager
Sept 2022 – Present
- Organizer of on-campus events for promotion and to encourage students to learn calculus and physics.
- Manager of online student forum to offer assistance and answer student questions.

Waikato Analytical Chemistry Competition
2021
- During my senior year in high school, I was selected as a competitor to represent Rototuna High School alongside 3 other students.
- Identified an unknown substance using titrations and gravimetric analysis.
- Nominated as a top 10 finalist amongst 30+ schools.

Sustainability Project Manager
2021
- During my senior year, organized and ran classes to educate students on the 17 UN goals.
- Assisted students in pursuing projects related to solving the 17 UN goals.
- Generated a template for students to follow to achieve these projects.