

Computer Science / Statistics | me@bethany.nz | github.com/bethany-aroha | linkedin.com/in/bethany-yates-9907651a9/
UK and NZ Citizenship

EDUCATION

Bachelor of Science, Majoring in Computer Science and Statistics

University of Auckland Feb 2022 – Current (expected graduation: July 2025)

Current GPA: 8.25 / 9 ~ 92%

Certificate of Distinction in STATS225, STATS201, COMPSC210, COMPSCI230, COMPSCI225

Courses: OOP, OOD, applied algorithm design, data structures, probability theory, data analysis, Computer organisation, web programming and distributed services, financial mathematics, data science, ML.

PROFESSIONAL EXPERIENCE:

Software Engineering (SWE) Intern, Fitbit

Google Nov 2024 – Feb 2025

- Designed and implemented a data processing pipeline to calculate and display user metrics.
- Collaborated across multiple teams to deliver an end-to-end full stack solution.
- Gained experience using large-scale data processing frameworks and building user-centric android features.

Technical Executive

BizTech UoA July 2024 – Dec 2024

- Collaborated with a small team to develop the UoA BizTech website in under two weeks (<https://www.biztechuoa.com/>).
- Contributed to the organisation and execution of BizTech events, including the Diversity in Tech: Microsoft Experiences leadership talk and the Women in ISOM high team.

Software Engineering (STEP) Intern, Photos iOS

Google Nov 2023 – Feb 2024

- Implemented new feature using Swift and Objective C for Google Photos iOS.
- Extended feature framework using MVVM and delegate design patterns.
- Took feature through developer workflow, from design doc to QA testing and started preparing for launch.
- Organised team bug bash and launch discussion with Product Manager.
- Expected increase in user engagement: 52%.

Web Developer, working on building advisory calculators.

Retirement Planning Ltd. Dec 2021 – Nov 2024

- Designed and developed 8+ digital advisory calculators and tools to boost client engagement for fintech and financial advisory start-up.
- Tools include KiwiSaver projection, retirement investment analysis and more.
- Major NZ bank proposed to triple our client base due to the interest in our advisory calculators.

Project management and security.

- Designed project procedures and security policies for potential collaboration with largest life insurance firm in Asia-Pacific.
- Implemented OpenSSL encryption to site database to increase client protection.

PROJECTS:

Designing and Developing my Digital Portfolio: 2022

Designed and built my online portfolio website using HTML, CSS, and JS. Through this process I also learned to use Adobe Illustrator with the aim of designing and creating all elements of this site from scratch; bethany.nz

Collaborated on React API for checking club membership: 2023

Working alongside a team of student developers to build a membership checker API for university clubs. Potential for API to be used across various youth line groups in New Zealand. Tech-stack: Node.js, React, Typescript, with Prisma.

CODING LANGUAGES:

Academic setting: Python, Java, C, Database Structure, R.

Used in workplace: Kotlin, Swift, Objective C, HTML, CSS, JavaScript, TypeScript, React.