Newton Yuan

SOFTWARE ENGINEERING STUDENT @ UNIVERSITY OF AUCKLAND

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DOB - 03 March 2005
Nationality - New Zealand

EXPERIENCE

Tella, Auckland NZ — *Web Developer*

JAN 2023 - PRESENT

Developed web-apps for home loan applicants and mortgage advisers using React TypeScript on the front-end, Strapi for CMS, and ABP Framework on .NET (C#) for back-end services.

Mural Health, United States — *Software Intern*

NOV 2022 - JAN 2023

Developed a participant management platform for patient and caregivers with features such as analytics, messaging, payments, booking etc. using React JavaScript for the front-end and Figma for the UI.

21e8, Auckland NZ — *Software Intern*

NOV 2021 - FEB 2022

Explored computational data markets in an information architecture environment, developed a hash-mining server/client in C++ with HTTP and experimented with GPU programming in CUDA C++.

PROJECTS

Game Prototype — *Unreal Engine 5*

Worked with a small team of artists to explore UE5 capabilities.

Mobile Game — *Android Java*

Launched a mobile game "3 Heroes" available on the Google Play Store with 100+ downloads using Android Studio.

Discord Bots — *Discord JS*

Developed several cloud-hosted server bots from scratch hosted on Heroku, using MongoDB as the database.

Q-Learning AI — *Python OpenAI*

Learned about and created a self-driving car that utilises OpenAI Gym and Q-Learning to help itself around any track.

PORTFOLIO

www.newtonyuan.com

- Personal project documentation
- Design and development process
- Applications used
- Social media links
- How to view and run each project
- GitHub source code

EDUCATION

Bachelor of Software Engineering @ University of Auckland

JAN 2023 - NOV 2026

Westlake Boys' High School

JAN 2018 - DEC 2022

SKILLS

Python | JavaScript | Java | C# | C | C++ | TypeScript | HTML | CSS | React | MongoDB | Heroku | Unity | UE5 | Flutter | MATLAB

Adobe PhotoShop | Krita x64 | Figma

LANGUAGES

English – Mother Tongue
Chinese (Mandarin) – Fluent