

Newton Yuan

SOFTWARE DEVELOPER - UPDATED DEC 2022

EXPERIENCE

Mural Health, United States

Software Developer

NOV 2022 - JAN 2023

Building a Web App which is a participant management platform that helps users manage trial experience for patients and caregivers. Mostly worked on front-end, dealing with styling and user interfaces on every aspect of the app including: Analytics, Payments, Messaging, Feedback, Permissions etc.

Skills: TypeScript, React, CSS

21e8, Auckland NZ

Software Developer

NOV 2021 - FEB 2022

An Information architecture company pioneering computational data markets by exchanging information and compute power for energy. Created simple hash mining server/client with C++ and HTTP, used CUDA C++ to experiment with GPU-programming to maximise computer efficiency, created basic Python programs to test the Hashlife algorithm.

Skills: C++, Python, CUDA

Woork, Auckland NZ

Software Developer

APR 2019 - JUNE 2020

Worked in a 30-strong startup developing a management app for real estate agents. Involved in the development of new features for the web and smartphone app that allow real estate agents to visualise finances, manage databases, organise callbacks, schedule viewings and set reminders.

Skills: JavaScript, React, GraphQL

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DOB - 03 March 2005

Nationality - New Zealand

WEBSITE

www.newtonyuan.tk

For a more in-depth explanation and documentation of personal projects please visit the website.

- Design and development process
- Explanation of how to view and run each project
- Timeframes for each project
- Applications used
- Links to social media
- Source code

SKILLS

Python | JavaScript | Java | C++ | C | C# | TypeScript | HTML | CSS | ReactJS | GraphQL | Microsoft Azure | MongoDB | Heroku | Unity Game Engine

Adobe PhotoShop | Krita x64 | Technical Drawing

TRANSFERABLE SKILLS

Teamwork | Leadership | Product Management | Communication | Attitude

EDUCATION

Westlake Boys High School
Auckland, NZ

JAN 2018 - PRESENT

LANGUAGES

English - Mother Tongue
Chinese (Mandarin) - Fluent

PERSONAL PROJECTS

Discord Bots

Bot Developer

JUNE 2020 - PRESENT

Developed several cloud-hosted server bots from scratch using DiscordJS, implementing an online database to store and retrieve user information.

Skills: JavaScript, MongoDB, Heroku Cloud Platform

Android Java Mobile Game

Game Developer & UX Designer

FEB 2022 - JUN 2022

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

Skills: Java, XML, Google Play Services

Q-Learning AI

Software Developer

DEC 2021 - FEB 2022

Created a self-driving car that utilises Python’s OpenAI Gym and Q-Learning to help itself around any track.

Skills: Python, Q-Learning, OpenAI

React Website

Software Developer

SEP 2022 - PRESENT

Built a personal portfolio website using React JS at www.newtonyuan.tk.

Skills: JavaScript, React, CSS