Aaron Worsnop

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EDUCATION

The University of Auckland •   Feb 2022 — Nov 2025

Bachelor of Engineering (Honours) in Software Engineering

Major GPA: 3.56 (87.5%) | Currently 2nd Year

• **Courses (Past & current):** OOP, Data Structures & Algorithms, Software Engineering Theory (Graph Theory, Combinatorics), Assembly Language, Software Quality, C fundamentals, MATLAB

PROFESSIONAL EXPERIENCE

Retirement Planning Ltd• Web Developer   June 2022 - Present

Fintech, Retirement Planning and Financial Advisory Startup

• Increased back-end efficiency of Zoho CRM by restructuring database of sensitive information.

  • Streamlined 2,000 disorganised and complex entries.

  • Displayed **adaptability** by rapidly mastering advanced Excel.

• Designed and created 5+ responsive pages for a professional and public-facing website.

• Enabled business opportunities with New Zealand's largest bank by implementing custom encryption with PHP and OpenSSL (~20,000 new clients possible).

Finergy Ltd • Digital Designer   July 2022 - Present

Fintech, Financial Services and Marketing Firm

• Delivered over 30 successful campaigns for various clients by **collaborating closely with a diverse team.**

  • Regularly exceeded expected engagement and KPIs.

  • Demonstrated **versatility in skill** through the widely varying nature of projects.

• Designed 300+ essential brand components, focusing on ROI and client satisfaction.

• Reconstructed the brand identity of a company, leading to a successful advertising campaign.

PROJECTS

Tic Tac Toe AI Tic Tac Toe game in **Java** using the MiniMax algorithm with alpha-beta pruning.

Plagiarism checker Code plagiarism detection tool for students, using winnowing algorithm in **MATLAB**.

Boulder Break ASCII level-based puzzle game written in **C**, using arrays, pointers and addresses.

Webforms Webstore prototype for a client written in pure **JavaScript, HTML, CSS and PHP.**

  • Enabled client to prototype their products.

  • Created a PHP email function.

Strafe Abstract 3D level-based runner game with level selector made in **Unity with C#.**

YouTube Channel 100k+ views | 650+ Subscribers. High-quality tech videos, interacting with fans etc.

SKILLS

• **Languages: Java, C#, C, MATLAB, HTML, CSS, PHP, JavaScript**

• **Native Proficiency in Mandarin Chinese**