



ABOUT ME

Hey there! I am currently seeking an **internship** role in tech-related areas preferably a **firmware** or **software development** position. With a passion for **programming**, I am eager to learn and develop my technical skills whilst gaining practical experience in the field.

SKILL

Software Development

Python, C#, Java, MATLAB, C

Advanced



Firmware Development

C, PSoC, Quartus Prime, Atmel Studio

Adept



Web Development

HTML, CSS, JS, ReactJS

Intermediate



INTERESTS



Muay Thai

Game Dev



Video Editing

Music



JOB JOSEF SANTOS

PENULTIMATE
COMPUTER SYSTEMS
ENGINEERING STUDENT

PROJECTS

Apr 2023 -

May 2023

FPGA FLAPPY BIRD

github.com/JayJsan/FPGA-Flappy-Bird

- Developed to run on an run on a Cyclone V **FPGA** DE0-CV board.
- Implemented the display, textures, and UI
- Use of **VHDL**, **Quartus Prime**, **ModelSim**, and **GitHub**
- Collaborated in a team of 3

Mar 2023 -

Apr 2023

AI ASL PYTHON

github.com/JayJsan/AI-ASL-Python

- Uses **Machine Learning** to train models and predict letters from the American Sign Language
- Use of **Python**, **PyQt**, **PyTorch**, and **GitHub**.
- Created the UI and interlinked the back-end and front-end.
- Collaborated in a team of 3

Jun 2023 -

July 2023

REACT WEATHER APP

github.com/JayJsan/React-Weather-App

- A weather web app that displays the weather of a specified location.
- Dynamic backgrounds based on weather.
- Use of **React Hooks**, **OpenWeatherMap API**, and **CSS**.

EDUCATION

2021 - Present

Bachelor of Engineering (Honours)

The University of Auckland

2016 - 2020

NCEA Level 3

Birkenhead College

- **Merit** Endorsement
- **1st** in Yr 12 Japanese
- Yr 13 **Arts Council** Member



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REFEREES AVAILABLE
UPON REQUEST

MORE PROJECTS
AVAILABLE ON GITHUB