

GRANT LIU

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EDUCATION

The University of Auckland

Mar 2021 – Nov 2024

Bachelor of Engineering (Honours): Software Engineering

- GPA 9.0/9.0 (A+ average)
- Faculty of Engineering Deans Honours List – Top 5% out of 1000 students in cohort (2021)

Westlake Boys High School

Feb 2016 – Nov 2020

NCEA Level 1,2,3 Excellence Endorsement

New Zealand Scholarship: Outstanding Scholar Award (\$15,000)

- Top 70 out of all scholarship students in New Zealand

SKILLS

Java | Python | React | JavaScript | HTML | CSS | C | Git

PROJECTS

grantliu.com

- Personal portfolio [website](#) made using **React** and **Tailwind CSS**, showcasing personal skills and projects
- Hosted on GitHub Pages, using GitHub Actions to automate site redeployment on push.
- Ensured page responsiveness with compatibility over a range of screen sizes

Arcade Platformer

- A multi-level platformer game made using **Python** using the Python Arcade library and Tiled map editor.
- Used object-oriented concepts to implement animations, obstacles and objectives.
- The player moves through multiple levels collecting coins, avoiding moving enemies and other hazards.

Blackjack

- Used **Java** to implement a CLI Blackjack simulation.
- Implemented object-oriented principles to create a range of dealer/bot strategies that change during runtime.

WORK EXPERIENCE

LEGO Instructor

BRICKS 4 KIDZ

Apr 2021 – Feb 2022

- Taught modelling and robotics in after-school primary school classes to children aged 5-10
- Managed use custom LEGO kits, as well as teaching basic drag-and-drop programming using with iPads connected to motors and sensors.
- Organized and ran holiday programs attended by over 300 children in a local mall and community centre.