

# Zilong Wang

Canberra, Australia

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## PROFILE

After completing two years of study at the Australian National University, I am well-acquainted with the Australian work culture and ready to contribute to its dynamic workspace. Currently, I am enrolled in a Professional Year Program, designed to further equip me for the Australian industry landscape.

Drawing from several years of engineering experience, I have honed my patience, communication skills, and problem-solving mindset. Additionally, my stint as a programmer intern has provided me with a realistic understanding of a programmer's work environment.

At this stage, I am keen on securing a position as a junior frontend developer. However, until I find the right opportunity, I am open to roles that may not fully utilize my skill set but would contribute to my living expenses. I am confident that my diverse experience and adaptability will enable me to excel in any role that comes my way.

## Portforlio

React framework

JavaScript development

HTML/CSS skills


Python development

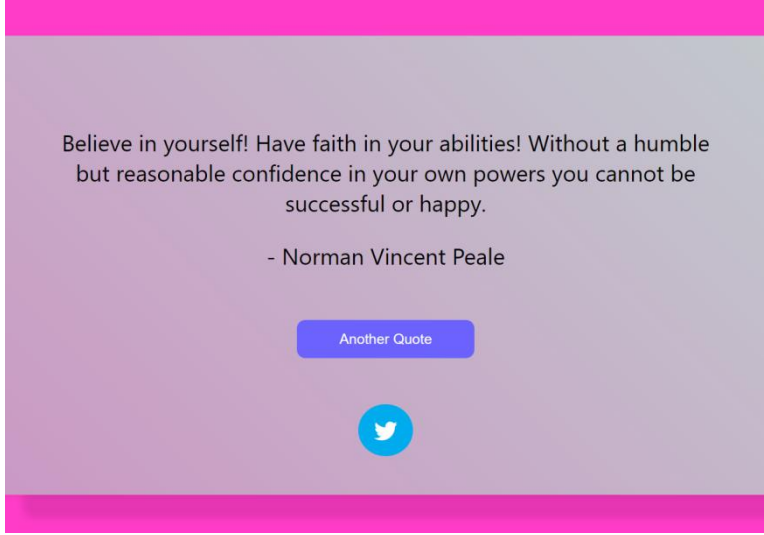

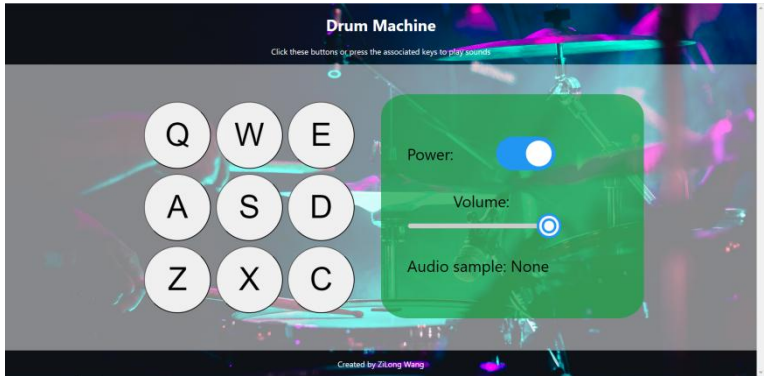
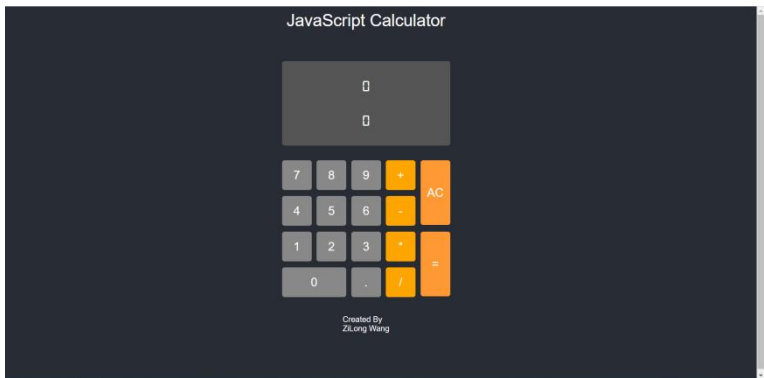
SQL operation

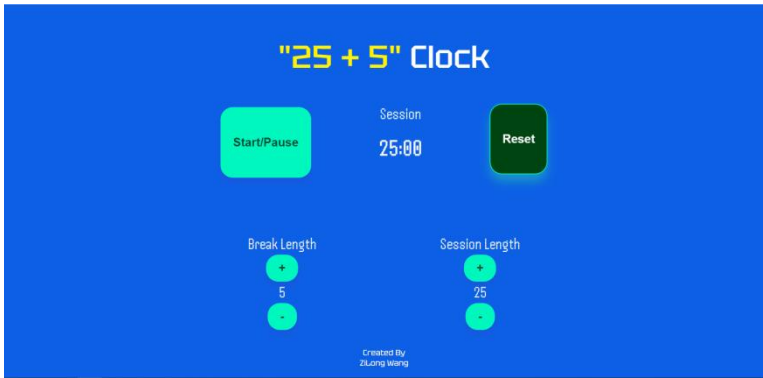
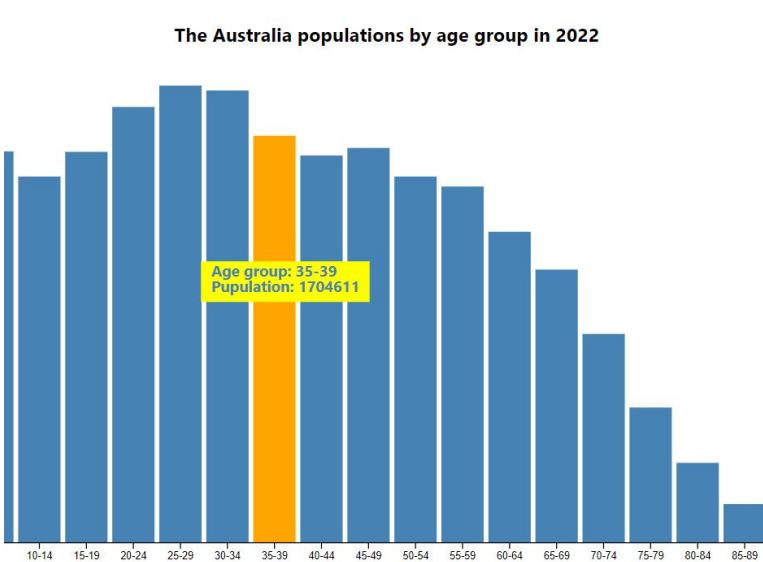
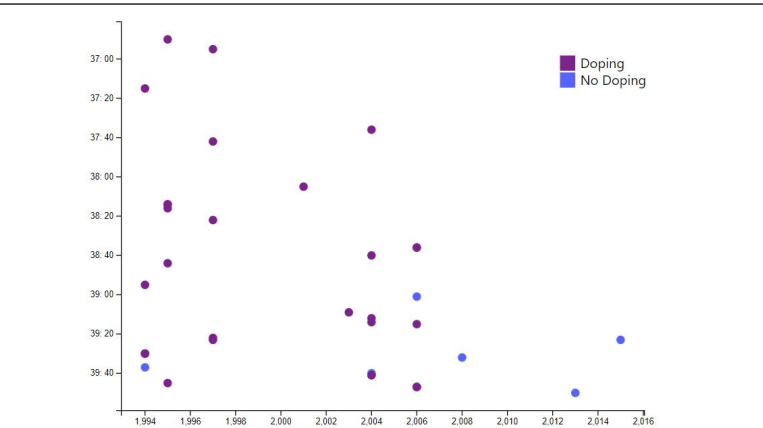
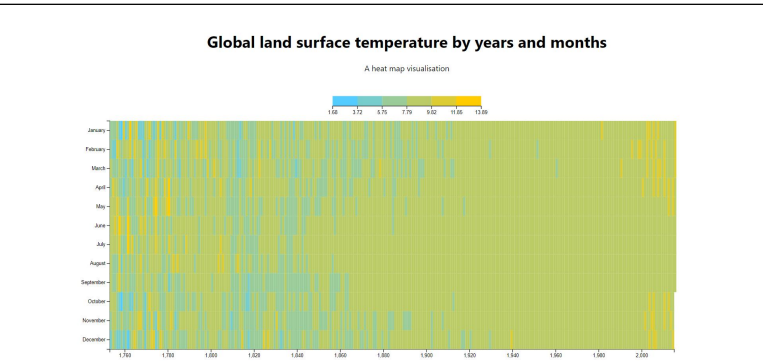
Three.js 3D modeling

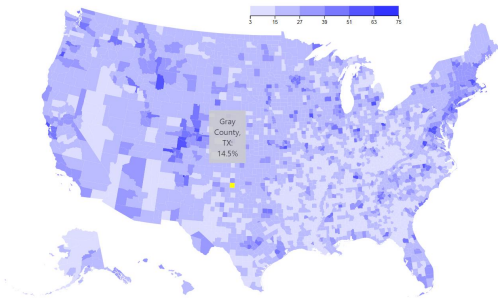

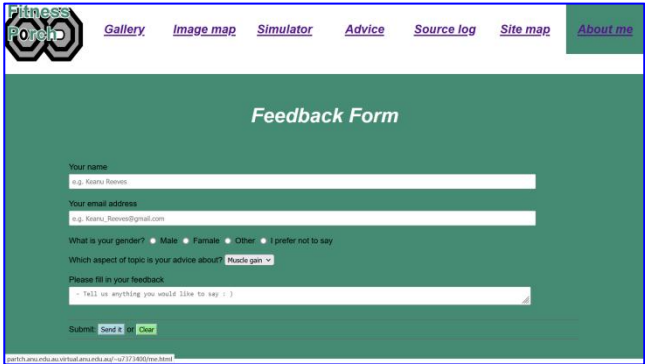
OpenGL 3D graphics

Basic Machine Learning

No.	Image	Link & description
1		<p><a href="https://davion-wong.github.io/PersonalCV/">https://davion-wong.github.io/PersonalCV/</a></p> <p>My personal CV webpage, which might give a better presentation of my skills.</p>

2		<p><a href="https://davion-wong.github.io/A-Random-Quote-Machine/">https://davion-wong.github.io/A-Random-Quote-Machine/</a></p> <p>An App that generates a new quote from some famous people each time a user clicks on the button. The user can also choose to tweet that quote directly with the tweet icon button.</p>
3		<p><a href="https://davion-wong.github.io/A-Markdown-Previewer/">https://davion-wong.github.io/A-Markdown-Previewer/</a></p> <p>A markdown previewer which convert a user's MarkDown input into its desired output format.</p>
4		<p><a href="https://davion-wong.github.io/A-Drum-Machine/">https://davion-wong.github.io/A-Drum-Machine/</a></p> <p>A drum machine that makes sound if a users clicks on the buttons or presses associated keys.</p>
5		<p><a href="https://davion-wong.github.io/A-JavaScript-Calculator/">https://davion-wong.github.io/A-JavaScript-Calculator/</a></p> <p>A calculator totally realized with JavaScript and React framework.</p>

6		<p><a href="https://davion-wong.github.io/A-25plus5-Clock/">https://davion-wong.github.io/A-25plus5-Clock/</a></p> <p>A clock that counts on session and break, realized in React framework.</p>
7		<p><a href="https://davion-wong.github.io/A-Bar-Chart/">https://davion-wong.github.io/A-Bar-Chart/</a></p> <p>A bar chart that presents the Australian populations by age group</p>
8		<p><a href="https://davion-wong.github.io/A-ScatterPlot-Graph/">https://davion-wong.github.io/A-ScatterPlot-Graph/</a></p> <p>A scatter plot graph to show the bicycle race results and their doping records</p>
9		<p><a href="https://davion-wong.github.io/A-Heat-Map/">https://davion-wong.github.io/A-Heat-Map/</a></p> <p>A heat map that shows the land surface temperatures recorded every month in the last two hundred years</p>

10	<p><b>US Education Levels by County</b></p> <p>A choropleth map showing the percentage of adults age 25 and older with a bachelor's degree or higher (2010-2014)</p> 	<p><a href="https://davion-wong.github.io/A-Choropleth-Map/">https://davion-wong.github.io/A-Choropleth-Map/</a></p> <p>A choropleth map that presents the percentage of citizens with bachelor degrees at different US states.</p>
11	<p><b>Movie Sales</b></p> <p>Top 100 Highest Grossing Movies Grouped By Genre</p> 	<p><a href="https://davion-wong.github.io/A-Treemap-Diagram/">https://davion-wong.github.io/A-Treemap-Diagram/</a></p> <p>A tree-map diagram that show the incomes of the top movies.</p>
12		<p><a href="https://davion-wong.github.io/FitnessPorch/">https://davion-wong.github.io/FitnessPorch/</a></p> <p>A website for fitness introduction. It was created for the assignment of the web design course.</p>

## EDUCATION & QUALIFICATIONS

### Master of Computing, Australian National University

July 2021 to June 2023

Master's degree - specialized in Human Centred Design and Software Development

## WORK EXPERIENCE

### Programmer Intern | QTG Capital Management, ShangHai

Dec 2021 to Apr 2022

A quantitative trading company based in Shanghai, China, dedicated to research, development and practice of secondary market trading strategies.

- Responsible for programming work of the back-testing platform for trading strategies;

- Responsible for processing and storing various types of data generated during the back-testing and programming
- Based on the open-source repository BackTrader and the premise provided by my colleagues, I successfully accommodated BackTrader to the trading of future, and kept testing the performance and accuracy during the whole period to make it usable and useful.

#### **Engineer | China National Petroleum Corporation**

**Jul 2011 to Nov 2018**

China national petroleum corporation (CNPC) is by the central committee direct management of the state-owned oversize state-owned enterprises, a super-large petroleum and petrochemical enterprise group. CNPC's business covers oil and gas exploration and development, refining and chemical industry, pipeline transportation, oil and gas refining and chemical product sales, oil engineering and technical services, oil machinery processing and manufacturing, oil trade and other fields.

- Responsible for monitoring and maintenance of steam generators.

#### **Education History**

Master of Computing, Australian National University

Master of Advanced Engineering, Monash University

Bachelor of Engineering, China University of Petroleum(East China)