

# FOO JOO WEE

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## ABOUT ME

Highly-motivated self-taught programmer seeking a full-time job in web development/software engineering. Please visit my portfolio at <https://foojoowee.github.io/profile/> for my projects. Being committed to my coding passion, I have been self-learning full-time since February 2023 and been coding as a side-hobby since early 2022.

I have previously worked as a consultant in the civil engineering/construction industry since 2018. I had the opportunity to collaborate with multiple project teams and help to lead projects, skills that I am confident would assist my transition into the tech industry. Looking for opportunities to also leverage my existing problem-solving and analytical skills from the civil engineering industry to be applied in software development challenges.

## WORKING EXPERIENCES / RESPONSIBILITIES

### Full-time Self-Learning (February 2023 – Present)

#### Portfolio Website (<https://foojoowee.github.io/profile/>)

- Developed using HTML, CSS and Vanilla JavaScript
- Overview and links to my other projects can be found here.

#### Memory Game ([Link](#))

- Built an interactive game using React, HTML, CSS
- Data storage using MongoDB
- Features 2 playable games

#### Professional Gym Website ([Link](#))

- Professional-looking website built on React, Typescript, TailwindCSS
- Modern looking and user-friendly UI.

#### Pokemon TCG E-Store ([Link](#))

- Simple E-Store built on React, Typescript, CSS/HTML
- Data and prices called from PokemonTCG API and TCGPlayer API respectively
- Context managed using useContext

#### Blackjack Game ([Link](#))

- Created using HTML, CSS, Vanilla Javascript
- Features implemented by manipulating DOM

#### Piano App ([Link](#))

- Created using React, HTML, CSS
- Provides a recording feature and customizable key setting.

### Executive Engineer in TYLin International Sdn. Bhd. (June 2018- February 2023)

#### Multiple High-Rise and Mixed Development Projects

- Regularly carried out site inspections and coordinating with contractor for site works and issues
- Attended client-consultant, site and technical meetings, managed infrastructure submissions and liaising with authorities
- Usage of 3D BIM modelling to facilitate coordination with architect in planning stages of the project
- Conducted civil engineering design calculations and solutions ensuring structural integrity and cost-efficiency
- Led the planning and organizing of all company events in 2022 as Vice President of the Sports Club.
- Carried out ISO Audits and lead writer/editor for company newsletter

## EDUCATION

Bachelor of Civil Engineering (First Class Honours)  
**CGPA: 3.639** – Monash University, Australia (2014-2017)

South Australian Matriculation Programme (2013)  
**ATAR 98.45** (Top 1.55%) - Taylors College Subang Jaya

Google Data Analytics Professional Certificate (2022)  
Online Course by Google on Coursera

Sijil Penilaian Menengah (SPM) (2012)  
**5A+ 3A 1A**- SMK ACS Klang

## TECHNICAL SKILLS / SOFTWARE

### Programming Language/Technologies

- HTML, CSS, Javascript, Typescript
- CSS Frameworks: Bootstrap, Tailwind
- React.js (hooks), Node.js, Express.js, Redux Toolkit, JQuery
- Database: MySQL, MongoDB
- Python, Django (Basic Knowledge)
- PHP, Docker

### General Software

- Microsoft Excel, Word, PowerPoint, OneNote
- Revit (3D BIM Modelling)
- Excel VBA, LISP for AutoCAD, MATLAB
- Design: Figma, AutoCAD, Sketchup 3D
- Civil Engineering Software: Etabs, Orion, StaadPRO, SAFE, Adapt PT, Prokon
- Data Analytics: Tableau, R

## KEY QUALITIES

- Highly logical and analytical thinking process
- Great in pattern recognition and problem-solving
- Stoic and optimistic when facing challenges
- Good time management and task prioritization
- Confident and articulate communicator
- Engaging speaker and presenter
- Enjoys optimizing workflow and processes