

Vivien Yang, Junior Software Engineer

0450078745 | bihuiy7@gmail.com | Marsfield, NSW 2122

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFILE

I enjoy solving complex problems through code and building full-stack web applications that bring logic and order to life. My background as a project manager in telecommunications taught me to coordinate teams, anticipate risks, and communicate efficiently, and I specialised in analysing customers' internet and multiline phone numbers service configurations to design the most effective migration solutions. However, what truly excites me is creating systems myself, from a problem to a working solution. This love for logic inspired me to make the move into software engineering, which led me to complete the General Assembly Software Engineering Immersive, where I gained hands-on experience with JavaScript, Python, React, Node.js, and full-stack development. I'm eager to bring my technical skills, logical thinking, and collaborative mindset to a junior software engineer role, where I can continue to grow and contribute to building meaningful, user-centered solutions.

SKILLS

Frontend: React, JavaScript, HTML, CSS | **Backend:** Python, Django, Node.js, Express, MongoDB, PostgreSQL, RESTful APIs | **Dev Tools:** Git & GitHub (Version Control), Postman, Trello | **Other:** JWT Authentication, Mongoose (MongoDB ODM), HTTP requests (Fetch / Axios), React Router | **Deployment:** Heroku, Netlify

SOFTWARE ENGINEERING PROJECTS

[Petrol Spy](#) | [Full Stack Petrol Price Tracking Web Application](#) | [GitHub Front End](#) | [GitHub Back End](#) 27th Aug - 5th Sep 2025 | Solo Project

- Designed and developed a full-stack web application that helps users track real-time petrol prices and manage their favorite stations
- Integrated the free Petrol Stations API provided by the NSW Government
- Technology used: **Python, Django, PostgreSQL, React.js**

[Amplify](#) | [Full Stack Music Player Web Application](#) | [GitHub Front End](#) | [GitHub Back End](#) 7th Aug - 18th Aug 2025 | Pair Project

- Designed and developed a full-stack web application that allows users to discover, listen to, and manage playlists and songs
- Contributed mainly to the Homepage, Song, and Profile features
- Technology used: **React.js, Express.js, MongoDB**

[MusicMood](#) | [Full Stack Music Playlist Web Application](#) | [GitHub](#) 18th Jul - 25th Jul 2025 | Solo Project

- Designed and developed a full-stack CRUD application that creates an immersive space where users can share their emotional experiences and feelings about the music they love
- Implemented with secure user authentication, interactive playlists, and relational database design to manage user-generated content efficiently
- Technology used: **Express, MongoDB, EJS**

[Frogger](#) | [Browser-based Frogger-style Arcade Action Game](#) | [GitHub](#) 27th Jun - 4th Jul 2025 | Solo Project

- Designed and developed a browser-based game that allows users to use arrow keys to move the frogs to their homes by avoiding cars and jumping on logs
- Built this game as my first project in the General Assembly Software Engineering Bootcamp, applying JavaScript DOM manipulation and JavaScript Array Iterator Methods
- Technology used: **HTML, CSS, and JavaScript**

EXPERIENCE

General Assembly

Software Engineering Immersive Course – Remote

2025

- Developed and deployed four projects, including three full-stack applications, through individual and team-based sprints using Agile methodologies
- Participated in daily stand-ups, labs, and collaborative development processes to enhance both front-end and back-end programming proficiency as well as teamwork skills

Efiniti Telecommunications

Junior Project Manager – Sydney, Australia

Dec 2019 – Sep 2024

- Oversaw end-to-end planning, implementation, and delivery of multiple large-scale business and technical projects for high-profile client Optus using Waterfall and Agile methodologies, driving operational excellence and stakeholder satisfaction
- Provided high-level strategic support to cross-functional teams, including customer project managers, engineers, and account managers, to define project scope, identify priorities, and track milestones in the context of ambiguous project requirements
- Designed goal-oriented project workflows, streamlining service validation processes and improving fault detection accuracy to 99%
- Identified and resolved project inefficiencies by revamping traditional migration methodologies, resulting in a significant reduction in service modification rates and improved project timelines
- Led a critical hub decommissioning project with a tight timeline by proactively reassessing migration requirements and conducting team training, ensuring all metrics and project milestones aligned with business objectives
- Facilitated effective communication between customers and engineers, aligning business requirements with operational capabilities and delivering on customer promises
- Created and maintained comprehensive project reports and dashboards, incorporating key metrics and visual tools such as pivot tables and charts, to enhance project monitoring and stakeholder communication, improving decision-making and overall project transparency
- Presented to large groups of audiences regarding project progress, technical solutions, and best practices to ensure stakeholder alignment and knowledge sharing

EnerSys

IT Support Intern – Melbourne, Australia

Sep 2019 – Dec 2019

- Engaged with internal and external stakeholders to understand business requirements and provide IT solutions
- Set up hardware, upgraded software, and resolved technical issues to ensure operational efficiency

EDUCATION

<i>General Assembly, Software Engineering Immersive Course, Remote</i>	2025
<i>Master of Telecommunications Engineering, The University of Melbourne</i>	2015 - 2016
<i>Bachelor of Computer Engineering, The University of Wollongong</i>	2014 - 2015

CERTIFICATIONS

PMP - Project Management Professional
--