

JASON VLAJANKOV

Software Engineer

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🌐 jvlaj.com

📍 Melbourne, AU

Strong problem solver dedicated to discovering elegant, valuable solutions that stay. Showcased talent in 'AVTestKit', an open source project aimed at bolstering safety measures for autonomous vehicles via analysis of self-driving agents in high-risk crash simulations. Recognised for my strong communication skills, attentive listening ability, and commitment to fostering collaborative team systems.

EXPERIENCE

Web Developer

Freelance | 2023 - 2024

Designed and developed a number of single-page web applications.

- Developed and deployed responsive web applications using React, TypeScript, and Tailwind CSS, ensuring cohesive component structure, accessibility, and visual clarity.
- Integrated backend functionality by implementing authentication systems, API routes, and secure database connections (PostgreSQL).
- Managed deployment and hosting on cloud platforms such as AWS and Vercel, overseeing both development and production environments.

Nightshift Worker

Coles | 2018 - 2019

Consistently exceeded performance goals by fostering teamwork, and delivering exceptional customer service with a positive attitude.

PROJECTS

Autonomous Vehicle Safety Testkit (AVTestKit)

github.com/rjunderwood/avtestkit

Capstone university Python project that simulates realistic, high-risk crash scenarios to evaluate self-driving agents on their reactive safety performance. Developed by a small team through all stages of the software development lifecycle, delivering outstanding results to our client and reinforcing safety in open source, autonomous vehicle technology.

Ray Tracer

github.com/jvlaj/raytracer

C++ application that simulates ray-traced physics to produce realistic lighting.

Website

github.com/jvlaj/website

Personal website built using Next.js, TypeScript and TailwindCSS.

EDUCATION

Bachelor of Computer Science

Swinburne University of Technology
2017 - 2022

SKILLS

Python, JavaScript

HTML, CSS

React, Django, Node.js

PostgreSQL, MariaDB

Docker, AWS, Linux, git

 [_jvlaj](#)  [_@jvlaj](#)