

JASON VLAJANKOV

Software Engineer

- +61 424 304 326
- jvlaj@protonmail.com
- www.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.

WORK EXPERIENCE

Freelance Web Developer Freelance | 2023 - Present

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

- Employed skills and knowledge in React to create and combine cohesive, lowly coupled components for increased organisation.
- Utilised Tailwind CSS to quickly stylise components for visual appeal, clarity and accessibility.
- Applied JavaScript and TypeScript skills for any necessary computation; dynamically generating metadata, API routes, or logic for custom components.
- Implemented authorisation services to uniquely identify users.
- Connected applications to databases such as PostgreSQL, taking proactive steps to ensure secure storage of data.
- Deployed development and production instances to the internet using cloud platforms such as GCP, AWS and Vercel.

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

A C++ application that produces images of objects with realistic 3D lighting using ray tracing techniques.

Website github.com/jvlaj/website

Personal website built on Next.js, TypeScript and TailwindCSS that showcases a live journal, blog, projects, and contact form.

EDUCATION

BSc in Computer Science
Swinburne University of Technology
2017 - 2022

VCE
St Francis Xavier College
2015

Cert. III in Information, Digital Media & Technology
St Francis Xavier College
2014

SKILLS

Technical

Python, JavaScript
HTML, CSS
React.js, Django
Linux, git, SQL

Character

Strong problem solver
Active listener
Adaptable
Team player

LANGUAGES

English (Native)
Japanese (Limited Working)

INTERESTS

Technology
Film
Gaming