

Tristan Gauci

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EDUCATION

TAYLORS LAKES SECONDARY COLLEGE

Graduated 2016

Victorian Certificate of Education (VCE)

KEY SKILLS

- Cross-Platform Development
- Automation (Puppeteer, CI/CD)
- Linux Administration
- Responsive & Accessible Design
- Database Administration (Mongo, Postgres)
- DevOps (Docker, etc)

EXPERIENCE

Founder & Lead Developer

Mar 2023 – Present

NeuraLab

- Launched NeuraLab, an advanced AI chatbot platform that leverages GPT-4 and Stable Diffusion XL to enable intelligent assistants capable of image generation, real-time web search, and multimodal (text, image, audio, video) responses.
- Architected the full-stack application using Vue.js/Vuex on the front end and Node.js on the back end; implemented robust RESTful APIs and state management to ensure high performance and scalability.
- Implemented comprehensive unit testing using Vitest, achieving high code coverage across core modules and ensuring reliability of key features.

Freelance Software Engineer

Dec 2019 – Present

Nebula Software

- Delivered full-stack web and mobile solutions for nearly a dozen clients, developing custom applications in Vue.js, Node.js, and embedded JavaScript templates (EJS). Prioritized clean, maintainable code and efficient client-server interactions.
- Designed and implemented developer tooling and automation scripts (Node.js) to streamline build/deployment workflows, significantly improving productivity and reducing technical debt.
- Collaborated closely with clients to gather requirements, create UI mockups, and iterate on features, ensuring timely delivery of projects.

Co-Founder & Software Engineer

Feb 2018 – Jun 2020

AeonLabs

- Co-founded AeonLabs and led development on BuildLab, a custom PC e-commerce platform. Built a system that validates compatibility among 200+ hardware components, ensuring only viable gaming/workstation configurations.
- Implemented automated price and stock aggregation from nearly a dozen local suppliers, optimizing component selection for cost and availability.
- Developed supplementary tools including an Electron-based desktop app for end-user PC setup/management and a Windows command-line toolkit for automated OS installation, stress-testing, and hardware validation.

Founder

Jun 2015 – Feb 2019

Maega Pty Ltd

- Established Maega Hosting to offer web hosting and infrastructure services. Developed a front-end interface around the WHMCS hosting and billing platform.
- Wrote deployment scripts (Bash, PHP) and managed Linux server configurations to support reliable and scalable hosting solutions.