

Ryan Teo

Visit my website here to learn more about me! <https://basic-site-rtzw.vercel.app/>

[linkedin.com/in/ryan-tzw/](https://www.linkedin.com/in/ryan-tzw/) • github.com/ryan-tzw

Experience

SEP 2020 – FEB 2021

Security Operations Center Analyst • Housing & Development Board

- Daily operational work (intelligence collection & domain fraud monitoring).
- Developed an automated cyber threat intelligence collection system.
- Automated and enhanced existing domain fraud detection system to minimize the manual labor required for the security analysts.
- Produced user guide for newly implemented system.

Projects

ArXiv Semantic Search Engine (<https://github.com/ryan-tzw/semantic-search>)

- A lightweight **semantic search engine** for arXiv abstracts, built for seamless integration into a larger Retrieval-Augmented Generation (RAG) pipeline.

Virtual Workspace (<https://portfolio-2025-delta-six.vercel.app/>)

- Visit my virtual workspace 😊. You can scroll on the screen.

Dissolve Shader (<https://dissolve-shader.vercel.app/>)

- A cool shader written in GLSL.

My Journey (<https://rtzw-my-journey.vercel.app/>)

- A portfolio site that I made to showcase my interests and capabilities when I first applied to SUTD.

FabLab Adventures (<https://github.com/ryan-tzw/CTD-1D>)

- A simple 2D arcade-style game where you dodge incoming projectiles. Made entirely in Python.

Education

SEP 2023 – APR 2027

Bachelor of Engineering – BE, Computer Science • Singapore University of Technology and Design (SUTD)

3.95 GPA

Skills

JavaScript/TypeScript • React • HTML/CSS • WebGL/GLSL • Python • C# • Java • UI/UX Design • SQL