

Elvis Tran

DISTRIBUTED SYSTEM · CYBER SECURITY

Adelaide, South Australia, Australia

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Objective

Computer Science student with a passion for full-stack software development. Seeking opportunities to apply my skills in building dynamic, scalable web applications and contribute to the development of innovative software solutions.

Education

The University of Adelaide

South Australia, Australia

B.S. IN COMPUTER SCIENCE

Jul. 2023 - Present

- GPA: 6.75/7.0, received Global Citizenship Scholarship

Work Experience

Aubot

Melbourne, Australia (Remote)

SOFTWARE ENGINEER INTERN

Nov. 2024 - Present

- Developed backend features for the Aubot Academy platform using Django, optimizing database query efficiency to improve latency by 10ms and boost real-time responsiveness for over 150 active students.
- Verified and ported onto platform over 520 programming exercises in algorithms, data structures, and Java, enhancing the learning resources for over 8900 students on Aubot Academy.

Australian Institute for Machine Learning

Adelaide, Australia

RESEARCH ASSISTANT

Nov. 2024 - Present

- Leveraged Meta Aria Glass and Repaper devices for data collection, contributing critical datasets for training touch interaction models and successfully identified useful data from the devices by reading documentation and SDKs.
- Designed and proposed a novel synchronization method, utilizing Python and custom algorithms, achieving an average latency reduction of 100ms between devices.

Projects

Fanta Create

Sep. 2024 - Present

TYPESCRIPT, NEXT.JS, REACT.JS, MONGODB ATLAS, CLERK, TAILWIND CSS, STRIPE, CLOUDINARY

fanta-create.vercel.app 🔗

- Developed an AI-powered platform for creators to generate images from prompts and utilize advanced editing tools like AI-assisted cropping and expansion.
- Implemented secure user authentication with Clerk, optimized data storage with MongoDB Atlas, and integrated Stripe for seamless payment processing.

Personal Portfolio

Sep. 2024 - Present

TYPESCRIPT, NEXT.JS, REACT.JS, TAILWIND CSS

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- Developed a responsive personal portfolio website to showcase my projects and skills using modern web technologies.

Extracurricular Activity

Society of Quantitative Analysis and Data, University of Adelaide

South Australia, Australia

COMMITTEE (EVENT OFFICER)

Jul. 2024 - Present

- Organized and coordinated event focused on quantitative analysis and data science: Quant Together

Computer Science Club of the University of Adelaide

South Australia, Australia

OPEN SOURCE DEVELOPER

Sep. 2023 - Present

- Contributed to the development of an open-source voxel engine in C++, focusing on improving performance and rendering techniques.

Skills

Languages TypeScript, C++, C, JavaScript, Matlab, Python, Java, MongoDB, SQLite, Redis

Frameworks Next.js, React.js, Tailwind CSS, QT Framework

Tools Git, Docker, Bash, Slack, Vercel, Github Action