

Taiyo Ishiyama

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[linkedin.com/in/taiyo-ishiyama](https://www.linkedin.com/in/taiyo-ishiyama) | github.com/taiyo-ishiyama

My portfolio website: taiyo-ishiyama.github.io/portfolio-website/

I am a hardworking and highly motivated Computer Science student with experience in delivering high-quality work within deadlines and leading projects in team environments. Focusing on software development, I am eager to dive into the IT industry and contribute in a professional and competitive setting.

EDUCATION

Griffith University

Gold Coast, QLD

Bachelor of Computer Science, Major in Software Development

Jul 2022 – (Graduate Date: Jun 2025)

GPA: 6.79/7.0

Relevant coursework

Software Engineering Fundamentals: Learnt the process for software development in practice. Developed a web platform prototype in a team by following Software Development Life Cycle and Agile method.

Secure Development Operations: Learnt the principles in cyber security and DevOps. Implemented automated full-stack software with docker and automated security testing with OWASP ZAP software

System and Software Design: Learnt software design and architecture. Developed tetris game in a team by implementing Model-View-Controller design pattern, factory pattern, and decorator pattern.

Intelligent Systems: Learnt the algorithms for artificial intelligence including learning decision tree and machine learning. Implemented algorithms using learning decision tree and neural network.

Temple University Japan Campus

Tokyo, Japan

Bachelor of Science, Major in International Business Studies

May 2020 – Jun 2022

GPA: 3.92/4.0

WORK EXPERIENCE

Product Specialist (Internship)

Nov 2024 – Present

Temsconsu

Brisbane, QLD

- Develop a full-stack web application featuring a conversational AI tool, integrating an existing LLM model via API and implementing a Retrieval-Augmented Generation (RAG) approach to enhance response accuracy and contextual understanding.
- Design and implemented a user-friendly and intuitive UI, ensuring seamless user interactions and accessibility through responsive front-end development.
- Engineer a secure and efficient back-end architecture, handling authentication, API integration, and data processing while mitigating security vulnerabilities.
- Optimize database management by structuring queries and indexing strategies to improve data retrieval speed and system performance.
- Conduct comprehensive testing, including general and functional test cases, leveraging critical-thinking skills to ensure reliability and robustness.
- Author detailed technical documentation, providing clear implementation guidelines for future developers and ensuring project maintainability.
- Collaborate with a project manager through regular review meetings, incorporating feedback to improve system design and functionality.

Software Developer (Contract)

Oct 2024 – Present

App Factory

Gold Coast, QLD

- Collaborate with a team as a contract developer to deliver software solutions aligned with client business goals, ensuring strategic value through consultation and technical implementation.
- Engage in client consultations, analyzing requirements and refining project scope to develop software solutions that meet business objectives.
- Develop web and mobile applications using React and React Native, ensuring high performance, scalability, and

seamless user experience across platforms.

- Work closely with cross-functional teams to prioritize client satisfaction, incorporating feedback and iterating on solutions to optimize usability and functionality.

Software Developer (Internship)

Jul 2024 – Oct 2024

AKA Studio

Brisbane, QLD

- Developed a prototype for a color management application as part of a team of three, enabling users to extract color information from images, convert color formats (e.g., RGB, HEX), and create custom color palettes.
- Implemented a system to provide the closest color name to user inputs (such as RGB values) using Python and Firebase, enhancing user experience by providing precise color information.
- Designed and integrated an AI component to display color psychology information for selected colors, improving the application's usability and engagement.
- Conducted comprehensive testing and authored detailed documentation to ensure a seamless development process and maintain code quality.
- Collaborated effectively within the team by completing tasks prior to weekly meetings, raising questions and concerns proactively, and assisting teammates to ensure project deadlines were met.

PROJECTS

E-Book commerce app / *TypeScript, Next.js, Tailwindcss, Prisma, Postgre, Stripe* | github.com/taiyo-ishiyama/book-commerce-app

- Developed a full-stack e-commerce application for selling e-books using TypeScript, Next.js, TailwindCSS, Prisma, and PostgreSQL.
- Integrated Stripe for secure payment processing, providing a seamless checkout experience for users.
- Optimised data fetching methods to improve website speed and performance, enhancing user experience.

Vegetable E-Commerce website / *Django, Bootstrap, Stripe* | github.com/taiyo-ishiyama/vegeket

- Developed a fully functional e-commerce website for selling vegetables using Django, Bootstrap, and Stripe.
- Managed user accounts, purchase history, and cart functionality to enhance user engagement and experience.
- Implemented features for order management and cart updates, improving overall site usability and customer satisfaction.

Board game / *C++* | github.com/taiyo-ishiyama/boardgame

- Developed board game where players complete and evaluate the expressions in each row / column, which is like Sudoku
- Designed OOP and used appropriate data structures
- Optimized the game initialization and calculation process while catering for all valid solution

TECHNICAL SKILLS

Languages: Python (Django), C/C++, JavaScript/TypeScript (React, Next.js, Redux), HTML/CSS, SQL, PHP, (Learning: .NET)

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, Virtual Machine

REFERENCES

Charles Lee Tat Hang

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