

Isaac's Resume

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Personal Website: isaaciks.vercel.app

Looking for a 3 months internship from 11th May – 1st August 2026

EDUCATION

National University of Singapore (NUS), B.S. in Computer Engineering, GPA: 4.48 / 5.0

Aug 2023 - May 2027

Relevant Coursework: Data Structures & Algorithms, Software Engineering & Object-Oriented Programming, Introduction to Machine Learning, Probability and Statistics

Member: Eusoff Hall Floorball Team

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java

Frameworks & Tools: LangGraph, LangChain, LangFuse, Docker, HuggingFace, Linux, Docker, vLLM, FastAPI, Next.js, PostgreSQL, Git, Groq, OpenAI, Bootstrap, Strapi, Tailwind, CSS

SOFT SKILLS

- Fast learner with adaptability to new technologies.
- Able to work efficiently independently and with minimal supervision.
- Collaborates well within teams and maintains positive relationships.

WORK EXPERIENCE

Certis Group, Singapore

July 2025 - Present

AI Engineer Intern | Python, LangGraph, LangChain, LangFuse, Docker, HuggingFace, Docker, vLLM, FastAPI, PostgreSQL, Git, OpenAI, Groq

- Designed and developed agentic AI workflows to enhance efficiency and accuracy of incident reporting.
- Fine-tuned large language models (LLMs) for specific tasks, improving task performance and reliability.
- Conducted performance testing, benchmarking and optimization of AI models and workflows.
- Set up a PostgreSQL database with a well-defined schema to store and retrieve structured report data.

Oneberry, Singapore

May 2024 – Aug 2024

Full Stack Developer Intern | JavaScript, Typescript, Tailwind, CSS, Next.js, Bootstrap, Git, Figma, Strapi.io, Chart.js

- Developed a web app to monitor real-time sensor data, improving data visibility and operational efficiency
- Implemented user authentication and API endpoints for CRUD operations using Strapi.
- Designed UI/UX and implemented a user-friendly interface.
- Collaborated with team members using GitHub for version control and code review.

DNDTS, Singapore

Jan 2023 – Jul 2023

Ecommerce Operations Assistant | Excel, Word

- Handled administrative tasks such as customer queries, refunds, lost or missing packages.
- Supervised two part-timers and delegated responsibilities effectively.
- Performed stock taking and inventory management.
- Send and reply to stakeholder emails.

PROJECTS

Personal Website | Git, Next.js, Tailwind CSS, JavaScript, Vercel

Dec 2025 – Present

- Developed my personal website to display my background.
- Showcases my work experience, education and projects.
- Includes links to my profiles and contact information.

Bomb Go Off | Verilog, OLED, Basys3 FPGA, Digital Design, GitHub

Mar 2025 – May 2025

- Spearheaded the development of a bomb-defusal game consisting of three mini-games to be completed under time constraints.
- Designed and implemented the game logic in Verilog, including state machines
- Integrated the software with the Basys3 FPGA, Oled, input switches and push-buttons.
- Tested and debugged the hardware-software interactions to ensure smooth gameplay.

NurseSched | Java, Object-oriented programming (OOP), Junit, Git, GitHub, SourceTree

Mar 2025 – May 2025

- Collaborated with my team to develop NurseSched, a desktop application for managing nurses' schedules, patient appointments and more, via a Command Line Interface (CLI).

- Developed modules for a To-do list and appointment management.
- Wrote JUnit tests for different modules to ensure system reliability.
- Applied OOP principles such as inheritance, abstraction and proper coding standards.

LEADERSHIP

Singapore Armed Forces (SAF), Singapore

Jan 2021 – Nov 2022

Artillery Specialist/Section Commander

- Led and trained a platoon of recruits in Basic Military Training (BMT)
- Instructed specialist cadets at the Artillery Training Centre.
- Worked with superiors and peers to ensure effective and efficient training.
- Awarded Best Detachment in Specialist Cadet School
- Achieved Company Best Shot in BMT