

Jiashun Wang


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EDUCATION

Harbin Engineering University – MSc Marine Science: T.B.C. (83% Average) Sept 2025
Guangdong Ocean University – BSc Marine Science: First Class with Honours May 2024

EXPERIENCE

Synx Games  Feb 2025 – Present
Software Engineer (Internship) Lincoln, UK

- Developing a brand-new Roblox experience from scratch, collaborating with another developer to ideate, design, and implement the game mechanics, user interface, and core features using TypeScript and React.

Ocean Data Monitoring  Feb 2025 – April 2021
Data Engineer (Internship) Zhanjiang, CN

- Developing a brand-new Roblox experience from scratch, collaborating with another developer to ideate, design, and implement the game mechanics, user interface, and core features using TypeScript and React.

PROJECTS

Personal Portfolio Website  Jan 2025 – Present

- Developed a responsive, high-performance portfolio website using React, TypeScript, TailwindCSS, deployed on Vercel, garnering 200+ visitors and 1000+ page views within the first month.
- Optimised website performance with a 1.29s First Contentful Paint, 1.64s Largest Contentful Paint, and 8ms Interaction to Next Paint, leveraging Vite, Tree Shaking, and Husky pre-commit hooks for clean code.
- Reduced Cumulative Layout Shift and Time to First Byte from 0.46 and 2.4s to 0.001 and 0.13s respectively, by implementing lazy loading, suspense, and server-side rendering by migrating to Next.js.

Library Management System  Oct 2024 – Jan 2025

- Engineered a console library management system in C++ with CRUD operations and JSON data persistence.
- Implemented 40+ unit tests using Catch2 to facilitate continuous integration and Test-Driven Development.
- Integrated multithreading and socket-based networking, enabling concurrent user interactions and remote access.

Sentiment Analysis Tool  Sept 2023 – May 2024

- Designed and implemented a sentiment analysis tool in Python leveraging BERT to process social media data, delivering sentiment predictions with 86.95% accuracy, furthering to 95% with k-fold cross-validation enabled.
- Optimised data pipelines with Pandas and NumPy, improving processing speed by up to 80% on large datasets.

SKILLS

Programming Languages: Python, MATLAB, Fortran, C

Numerical Modeling: SWAN

Cloud & DevOps: Git, Docker

COURSES & CERTIFICATIONS

IBM – Full Stack Software Developer Professional Certificate Sept 2024 – Present

IBM – DevOps and Software Engineering Professional Certificate Sept 2024 – Present

Forage – Blackbird Australia: Software Engineering Job Simulation Feb 2025

AWARDS

University of Lincoln – The Lincoln Award Sept 2024 – Mar 2025