Jiashun Wang

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PROFESSIONAL SUMMARY

Postgraduate Full-Stack Software Engineer with expertise in **Python**, **JavaScript/TypeScript**, and **SQL**, alongside hands-on experience with frameworks such as **Django**, **Flask**, and the **MERN** stack. Proven ability to deliver optimised solutions, troubleshoot complex issues, and contribute to **Agile** teams. Strong understanding of version control with **Git**, **DevOps** practices, **CI/CD** pipelines, and **cloud technologies**.

EDUCATION

Harbin Engineering University (HEU)   *Sept 2021 – June 2024*   *(Grad. June 2024)*
Master of Science in Marine Science - Joint Program with the First Institute of Oceanography (FIO)   Harbin, Heilongjiang, China
• **Grade:** GPA: 3.2/4.0 (Ranked 1 out of 9 students)

• **Thesis:** Characteristics and Drivers of Marine Heatwaves in the Indonesian Seas

• **Supervisor:** Sr. Engineer Li Shujiang, Assoc. Researcher Nie Xunwei

Guangdong Ocean University (GDOU)   *Sept 2017 – June 2021*   *(Grad. June 2021)*
Bachelor of Science in Marine Science   Zhanjiang, Guangdong, China
• **Grade:** GPA: 3.6/5.0 (Ranked 9 out of 93 students, Top 10%)

• **Thesis:** Research on Wave Forecast Technology Based on Deep Learning

• **Supervisor:** Li Qiang, Sr. Engineer Jiang Lifang

EXPERIENCE

Marine Heatwaves in the Indonesian Seas   *July 2022 – June 2024*
Collaborative student training at the FIO   Qingdao, Shandong, China
• 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   *April 2021 – May 2021*
Internship at Zhanjiang Marine Environment Monitoring Station   Zhanjiang, Guangdong, China
• 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.

Deployment and recovery of ADCP at Zhanjiang Bay   *Sept 2017 – June 2021*
Undergraduate student participant   Zhanjiang, Guangdong, China
• Carried out a 2-day and 2-night shift rotation for ADCP deployment and recovery operations at Zhanjiang Bay.

PROJECTS

S_Tide tidal analysis toolbox documentation website [⦿]   *June 2025 – Present*
• Created under the commission of Dr. Haidong Pan, the developer of the S_Tide tidal analysis toolbox.

• Based on GitHub and the VitePress static site generator framework (built on Vite).

• The site includes download links for the toolbox, author information, detailed descriptions of various functions, and related academic articles.

• Committed to ongoing long-term maintenance and updates to ensure the website remains current and comprehensive.

Extracurricular Physical Oceanography [⦿]   *June 2025 – Present*
• Initiated the integration of international curricula to strengthen the first-year master's program, aiming to better align coursework with applied research objectives.

• Systematically collected and curated physical oceanography and marine meteorology course materials from leading universities worldwide.

• Established an open-access repository utilizing the open-source reference management software Zotero to promote transparency and facilitate academic sharing.

SKILLS

Ocean Instrumentation: ADCP (Proficient), CTD (Proficient), Ultrasonic Anemometer (Proficient), etc.
Operating Systems: Linux (Excellent), Windows (Excellent), macOS (Excellent)
Programming Languages: Python (Excellent), MATLAB (Excellent), Fortran (Proficient), C Language (Intermediate), R Language (Basic)
Numerical Modeling: SWAN wave model (Intermediate)
Cloud & DevOps: Git (Proficient), Docker (Basic)
Markup Languages: Markdown (Excellent), LaTeX (Intermediate)
Languages: Mandarin Chinese (Native), English

Courses & Certifications

Google Data Analytics Professional Certificate – Google	*Dec 2024 – Present*
Data Analysis with R Programming – Google	*Dec 2024 – Present*
Neural Networks and Deep Learning – DeepLearning.AI	*Dec 2024 – Present*
Level 1 Certification – National Information Security Professional (NISP) Examination	*Nov 2023 – Present*

Awards

the Second-Class Graduate Academic Scholarship – Harbin Engineering University	*Sept 2023 – June 2024*
the Second-Class Graduate Academic Scholarship – Harbin Engineering University	*Sept 2022 – June 2023*
the Third-Class Graduate Academic Scholarship – Harbin Engineering University	*Sept 2021 – June 2022*
the Third-Class Scholarship – Guangdong Ocean University	*Sept 2019 – June 2020*
the Third-Class Scholarship – Guangdong Ocean University	*Sept 2018 – June 2019*
the Third-Class Scholarship – Guangdong Ocean University	*Sept 2017 – June 2018*

Part-time Positions

Office Manager & Volunteer — *Oct 2019 – June 2020*
BlueRibbon Ocean Conservation Association in Guangdong Ocean University — Qingdao, Shandong, China

- Strategically planned and led the Longhaitian Beach cleanup initiative in Zhanjiang, enhancing community engagement and environmental conservation efforts.
- Facilitated effective coordination and communication across multiple departments to ensure smooth operational workflow.
- Compiled and produced the comprehensive annual report highlighting key organizational milestones and events.
- Oversaw the organization and maintenance of all office documentation and records.

Co-Founder & Advisor — *Jan 2020 – June 2021*
Xinyuntian Meteorological and Oceanographic Technology Studio — Qingdao, Shandong, China

- Co-established the studio leveraging the "Xinyuntian Weather" WeChat public platform, based at Guangdong Ocean University.
- Coordinated resources and collaborations among multiple universities including Nanjing University of Information Science & Technology, Ocean University of China, and Lanzhou University.
- Provided comprehensive services to the meteorological industry such as new media information dissemination, conference and exhibition organization, talent exchange, and international publishing support.