




# Jiashun Wang

+86 173-2577-2985 | wjs@ieee.org | Qingdao, Shandong, China  
 jia-shun.wang |  linkedin.com/in/wangjiashun |  github.com/jiashun-wang

## 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 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

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

## AWARDS

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

## PART-TIME POSITIONS

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<b>Office Manager &amp; Volunteer</b>	<i>Oct 2019 – June 2020</i>
<i>BlueRibbon Ocean Conservation Association in Guangdong Ocean University</i>	<i>Zhanjiang, Guangdong, China</i>
<ul style="list-style-type: none"><li>• Strategically planned and led the Longhaitian Beach cleanup initiative in Zhanjiang, enhancing community engagement and environmental conservation efforts.</li><li>• Facilitated effective coordination and communication across multiple departments to ensure smooth operational workflow.</li><li>• Compiled and produced the comprehensive annual report highlighting key organizational milestones and events.</li><li>• Oversaw the organization and maintenance of all office documentation and records.</li></ul>	
<b>Co-Founder &amp; Advisor</b>	<i>Jan 2020 – June 2021</i>
<i>Xinyuntian Meteorological and Oceanographic Technology Studio</i>	<i>Zhanjiang, Guangdong, China</i>
<ul style="list-style-type: none"><li>• Co-established the studio leveraging the “Xinyuntian Weather” WeChat public platform, based at Guangdong Ocean University.</li><li>• Coordinated resources and collaborations among multiple universities including Nanjing University of Information Science &amp; Technology, Ocean University of China, and Lanzhou University.</li><li>• Provided comprehensive services to the meteorological industry such as new media information dissemination, conference and exhibition organization, talent exchange, and international publishing support.</li></ul>	
<b>Deputy Liaison Officer</b>	<i>Sep 2022 – Jun 2024</i>
<i>Deputy Liaison Officer for Joint Training Graduate Students (Class of 2021)</i>	<i>Qingdao, Shandong, China</i>
<ul style="list-style-type: none"><li>• Managed the collection, organization, and dispatch of academic materials for proposal, mid-term, and graduation defenses of joint training graduate students between FIO and HEU.</li><li>• Coordinated communication and party/youth league relations between the School and the Qingdao Innovation Development Base during the principal liaison officer’s absence.</li></ul>	