

# RICARDO WANG

(+86) 159-0128-9870 · reburnw@gmail.com · GitHub @reburnw · <https://ricardo.wang>

## EDUCATION

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**Tsinghua University**, Department of Computer Science and Technology, *Bachelor in Engineering*  
2017.9 - 2022.6

## SKILL

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- **Programming Language:** C++, Python, JavaScript (TypeScript, Node.js), Rust
- **Advanced knowledge :** Algorithm/Linux/Docker/MongoDB/Django/Vue.js

## WORK & INTERNSHIP

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**Jump Trading**, Core Dev 2022.7-

- Nothing I can say :)

**Jump Trading**, Core Dev Intern 2021.6-2021.9

- Nothing I can say :)

**NatureJudge**, Technical Leader 2019.11-2021.1

- As startup project, developed platform for programming contests (like ACM) and big-data competitions (like kaggle).
- Design platform architecture and participate in customization development.

**BizSeer**, Algorithm Research Intern 2019.2-2019.11

- Participate in the development of high-performance time series data anomaly detection system, adding new algorithm features to the system based on **Scala+MongoDB+Redis**
- Research various time series (both traditional and machine learning) anomaly detection and root cause location algorithms. Use C++ to reconstruct existing algorithms to improve algorithm performance and accuracy based on existing algorithm.

**Kolmostar**, Dev Intern 2018.2-2018.7

- Participate in back-end development on the Amazon Lambda serverless platform
- Participate in hardware development, write **Linker Script** to organize the on-board code, encrypt and obfuscate binary files, and protect the company's core code.

## EXPERIENCE

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**The 2nd National Artificial Intelligence Challenge | NAIC2020**, Platform Technical Leader  
2020.6-2021.1

- My startup project, as the platform technical Leader, cooperated with the Pengcheng Lab under the Shenzhen Government to complete the development and maintenance of the competition platform and management platform (<http://www.china-ai.ac.cn/>).
- Independently responsible for back-end development based on **Django and MongoDB**. Independently responsible for the AI model evaluation and resource limitation system based on Docker and Message Queue.

**Computing Acceleration for Professionals | CCF CSP**, Platform Technical Leader 2020.4-2021.1

- My startup project, as the platform technical Leader, I am responsible for the architecture design, development and maintenance of **the largest programming competition platform in China**. Using distributed technology, in practice, up to ten thousand people can compete at the same time, and the platform runs smoothly. The total number of people served exceeds 100,000.
- Use Docker for dynamic scheduling of judge resources, and use influxDB+Grafana for real-time monitoring of platform health.

**Experience in Olympiad in Informatics** 2014.9-2019.9

- Learned Olympiad in Informatics since 2014, **won Gold Medal in NOI2016**.
- After entering the university, I participated in the organization of the computer test of the Department of Computer Science and Technology of Tsinghua University.

- As the team leader of the platform and system , I'm responsible for the customization of the examination system and on-site network environment configuration .