

# Mingzhao Zhou

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## Education

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**Southern University of Science and Technology**, Ms in Computer Science Sept 2020 – May 2023

- GPA: 3.2/4.0
- Award: 1st Academic Scholarship
- IEEE Publication: FAITH: A Fast Blockchain-Assisted Edge Computing Platform for Healthcare Applications
- Patent: Methods and devices for scheduling tasks CN114864069A

**Shenzhen university**, BS in Computer Science

Sept 2016 – May 2020

- GPA: 3.5/4.0
- Honor: Gold Medal in 2018 ACM-ICPC Asia Regional Contest Tsingtao, Top3 at 2018 Tencent Programming Marathon in Shenzhen region ranked 3 in China region, Rank Third in 2017 ACM-ICPC Asia Regional Contest Chengdu Site advance to World Finals
- Award: President Scholarship

## Experience

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**Software Engineer**, BYD – Shenzhen, China

June 2023 – Aug 2024

- Responsible for the research and development of the intelligent routing Lua algorithm version (with over 2,300 lines of development code), which passed the product line test and acceptance, and was successfully integrated into the company's SASE product.
- Responsible for the research and development of the company's EDS product image compression tool, which reduced the system's storage cost for static image business by 90 percentage, and solved a major memory leak problem during the product's launch period.
- Responsible for the research and development of the TCP traffic fault perception and location project, which was deployed on the company's HCI hyper-converged platform and packet capture analysis was conducted. The link fault location accuracy was higher than 90 percentage.

**Software Engineer Intern**, Tencent – Shenzhen, China

June 2022 – Aug 2022

- Responsible for the overall development of the network policy whitening function of the environmental platform, supporting three addressing methods: IP, domain name, and North Star, to ensure the real-time synchronization and effective management of registration information
- Optimize the CICD pipeline construction strategy for the conference front-end, decouple the access module from the pipeline structure, simplify its operation process, and simultaneously execute concurrent operations to improve the construction efficiency by 14.3

## Others

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**Part-time Tutor**

Nov 2020 – Now

Teach lessons: USACO, CCC, APCS, ASCL, AMC12

Results: 5 USACO Platinum Promotions, 30 USACO Gold Promotions, 15 USACO Silver Promotions, 10 top 5% CCC senior division, 8 top 5% CCC junior division

## Technologies

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**Languages:** C++, C, Python, Java, PHP

**Skills:** Git, Linux, MySQL, Shell