

WENHAO ZHANG

✉ wtd2@outlook.com · ☎ (+86) 158-1551-8495 · 🌐 wtd2

EDUCATION

Southern University of Science and Technology, Shenzhen, China *Aug. 2018 – Present*

B.Eng. in Computer Science and Technology, expected Jun. 2022

GPA: 3.89/4.0 Rank: 3/138 (Top 2%)

National University of Singapore, Singapore *Jul. 2019 – Aug. 2019*

Summer Program at the School of Computing

Overall Grade: A+

EXPERIENCE

Research Assistant, Southern University of Science and Technology *Jun. 2020 – Present*

I have worked on the research of **coded distributed computing** supervised by Prof. Qi Wang.

Teaching Assistant, Southern University of Science and Technology *Sept. 2019 – Present*

I have assisted in teaching several compulsory courses in the Department of Computer Science and Engineering.

RESEARCH PROJECT

Coded computing and its applications *Jun. 2020 – Present*

Individual research project Supervisor: **Prof. Qi Wang**

To avoid the effects of straggler and malicious nodes in the framework of distributed computing, we apply information and coding theory to mitigate them. To be specific, we are designing coding methods in different computational scenarios to keep the distributed computation private and efficient.

TaxiGo: An application for taxi drivers to seek higher profits *Jul. 2019 – Aug. 2019*

Main developer Supervisor: **Prof. Qizhang Liu**

This project aims to provide real-time recommendations for taxi drivers to pick up passengers based on the real-time traffic flow and analysis of the historical data of trips. We propose a model to learn from this data to make the profits higher.

SKILLS

- A good command of comparably complex **data structures and algorithms** and their realization (from experience obtained by training in the field of ACM-ICPC).
- A good command of the structures and experimental approaches in **distributed computation**.
- A good command of mathematics (especially **algebraic structures**) since I have studied several mathematical courses in the field of algebra.
- A good command of basic **cryptography** and **information theory**.

HONORS AND AWARDS

Gold Medal, ACM-ICPC Asia-East Continent Final

Dec. 2019

Gold Medal, ACM-ICPC Asia Regional Contest Shanghai Site

Nov. 2019

Gold Medal, ACM-ICPC Asia Regional Contest Qingdao Site

Nov. 2018

1st Prize in South Central China, National Crypto-Math Contest

Jul. 2020

1st Prize in Guangdong, Chinese Mathematics Competitions
1st Class Scholarship, SUSTech Merit Student Scholarship
1st Class Scholarship, SUSTech Merit Student Scholarship
Outstanding Award, SUSTech Programming Contest

Dec. 2020
Nov. 2020
Nov. 2019
Dec. 2018