

Yuan Chen

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Github: <https://github.com/Shou-ashe>

EDUCATION

University of Science and Technology of China (USTC)

09/2018 - 06/2022(expected)

Hefei, China

- Major: Theoretical and Applied Mechanics September 2018 – July 2022 (expected)
- Mentor: Prof. Hang Ding
- GPA: 3.38/4.3 (83.6/100, Ranking 11/33)
- Core Courses: *Theoretical Mechanics 1* 92/100
Theoretical Mechanics 2 93/100
Fluid Mechanics 92/100
Linear Algebra B1 91/100
Calculus for Functions of a Single Variable 87/100
Calculus for Functions of a Multivariable 87/100

RESEARCH EXPERIENCE

“Theory of Vibration” course project

<https://github.com/Shou-ashe/vibration>

Teacher: Haibo Chen (USTC)

09/2020 – 1/2021

- Established the mathematical model of a tension string.
- Obtained the solution during the period from 0 to 40s of the tension string using the FEM numerical algorithm with c++.
- Found that the numerical simulation results and the theoretical solution achieved a good match, verifying the method with reliable stability and high precision

Research Intern, Computational Fluid Dynamics Laboratory, USTC

09/2020 - Now

Mentor: Prof. Hang Ding

Hefei, China

- Assisted in computational fluid dynamics works such as adjusting code and constants, image analysis, etc.
- Participated in the computational multiphase interfacial fluids dynamics project

AWARDS & HONORS

- Silver Medal of Outstanding Student Scholarship, awarded by USTC (Top 20%) 10/2019
- Bronze Medal of Outstanding Student Scholarship, awarded by USTC (Top 30%) 09/2020

SKILLS

- **Programming Languages:** C/C++, Python, MATLAB
- **Software Skills:** Visual Studio, Tecplot, Office, LaTeX, AutoCAD, solidworks
- **English Language Skills:**
 - ◆ TOEFL (02/27/2020): 84 (R: 23, L: 26, S: 16, W: 19)

EXTRA-CURRICULAR EXPERIENCE

Working as a committee member in club union

11/2018 – 11/2020

- Hosting clubs' recruiting meeting

Vice president in student drawing club

9/2019 – Now

Personal Hobbies: Drawing