Yuanzheng Wen

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EDUCATION

Chengdu University of Technology, Chengdu, China

- Bachelor of Science (B.S.) in Space Science and Engineering
- Minor in English
- GPA: 3.65

RESEARCH EXPERIENCE

National Space Science Center, Chinese Academy of Sciences (CAS)

- Research Intern — Summer 2020 – Present
  - Project: Investigating effects of crustal fields self-rotation on Martian space environment with MHD simulation model (Data provided by Dr. Yingjuan Ma)
  - Undergraduate Research Program funded by CAS
  - Supervisors: Dr. Yiteng Zhang (Supervising Remotely)

Chengdu University of Technology

- Undergraduate Research Assistant — Fall 2019 - Fall 2020
  - Project: Analysis of data from the GPS and the *China Seismo-Electromagnetic Satellite (CSES)* to study the seismic-ionospheric anomalies. Analyzing the total electron content (TEC) data from GPS and the electron density, electron temperature, ion density data derived from the CSES Langmuir Probe (LAP) and Plasma Analyzer Package (PAP). Investigations of the TEC and plasma parameters unusual perturbations before strong earthquakes
  - Manuscript submitted to the Springer Journal *Earth, Planets and Space*
  - Supervisor: Dr. Dan Tao

Awards and Honors

- Undergraduate Research Fellowship, Chinese Academy of Sciences (2020)
- National Scholarship, Ministry of Education of China (2020)
- Honorary Student of 2020 CAS-USTC International Summer School in Planetary Sciences (2020)
- Second Prize in Mathematical Competitions for College Students, Chinese Mathematical Society (2019)

PROGRAMMING SKILLS

- Expertise in MATLAB (irfu-matlab), IDL (SPEDAS), CERN ROOT. Large research projects conducted in MATLAB.
- Experienced with MATLAB, Mathematica, Tecplot

TEACHING EXPERIENCE

- **Teaching Assistant** for Mathematical Methods for Physics, *Spring 2020*
- **Teaching Assistant** for General Physics (I, II), *Fall 2020*
- **Private Tutoring** in Physics, Math, English and MATLAB Programming