Taozhong Huang

4312 Harrogate Dr.
Norman, OK 73072

Cell：(405) 421-5397
E-mail：1752812072@qq.com

EDUCATION

UNIVERSITY OF OKLAHOMA, Norman, OK **Aug 2016 - May 2019**

Bachelor of Science, Major in Electrical Engineering and Minor in Mathematics

- GPA: 3.42/4.0
- **Relevant Coursework**: General Chemistry, Differential and Integral Calculus III, Intro. to Digital Design, General Physics for Engineering II, Digital Signals and Filtering, Electrical Circuits I, Modern Physics for Engineers, Electromagnetic Fields I, Electrical Circuits II, ECE Circuits Laboratory, Introductory Electronics, Energy Conversion I, Microprocessor System Design, Signals and Systems, ECE Electronics Laboratory, Introduction to Ordinary Differential Equations, Linear Algebra I, Numerical Analysis, Math Theory of Probability, Solid State Electronic Devices, Analysis of Elec Transmission, Optical Engineering, Communication Theory, Computer Architecture, Digital Design Lab, Laboratory–Special Projects (Capstone).

OKLAHOMA CITY COMMUNITY COLLEGE, Oklahoma City, OK **Aug 2015 – May 2016**

- GPA: 3.75/4.0

WORK/RESEARCH EXPERIENCES

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) **Sep 2018 - Present**

Research Assistant

Supervisor: Yixin (Berry) Wen, CIMMS

- Analyzed the data collected from ground radar in a specific boundary range in Oklahoma by plotting and comparing figures of different layers in a 3D dimension from related NETCDF files in MATLAB, especially the parameters of HydroClass and reflectivity in a 400*400*30 scale.
- Analyzed different meteorological phenomena and data collected from AIRS satellite by plotting the figures of related HDF files and matching the meteorological parameters happened in a specific time point, especially the cloud phase, cloud top temperature, effective radius and optical depth.
- Matched and combined the data of NETCDF and HDF files by putting the data of different parameters from AIRS satellite files into the boundary from ground radar files.
- Compared the results of combined satellite data and different layers of original radar data in the same boundary scale to record the forming and changing of different meteorological phenomena and to match meteorological events in same locations with different data types and to analyze the local meteorological environment and meteorological patterns in Oklahoma.

AWARDS AND HONORS

- William H. Barkow Scholarship - 2018/2019 academic year
- Ernest W. Reynolds Endowed Scholarship - 2018/2019 academic year
- William H. Barkow Scholarship - 2017/2018 academic year
- Gallogly College of Engineering Dean’s Honor Roll - 2017 Fall semester
- Gallogly College of Engineering Dean’s Honor Roll - 2017 Spring semester
- Gallogly College of Engineering Dean’s Honor Roll - 2016 Fall semester
- President’s Honor Roll - 2016 Fall

SKILLS

- Computer Skills: MATLAB, Java, C language, MIPS assembly& machine language, Microsoft Office Suite, and C++.
- Language Skills: Proficient Chinese, Shanghai dialect, English
- Interests: Skiing, Basketball, Soccer, Swimming, Strategic Gaming