

Zexi Huang

UNDERGRADUATE RESEARCHER

2006, Xiyuan Ave., WestHi-Tech Zone, Chengdu, Sichuan, 611731, P.R.China
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"Affliction will be undergone, and excellence will prevail."

Research Interests

Computer Science Data Mining, Machine Learning and their Interdisciplinary Applications
Electronic Engineering Signal Processing, Communication System

Education

Yingcai Honors College, University of Electronic Science and Technology of China

Chengdu, P.R.China

B.ENG. IN ELECTRONIC INFORMATION

Sep. 2014 - Exp. Jul. 2018

- GPA: 3.97/4.0, Avg. Score: 92.96/100 (Ranked 1st out of 90)

College of Electrical and Computer Engineering, National Chiao Tung University

Hsinchu, Taiwan

EXCHANGE UNDERGRADUATE

Feb. 2016 - Jun. 2016

- GPA: 4.0/4.0, All A+, Avg. Score: 98.31/100

Research Experience

Dynamics-based Clustering

Chengdu, P.R.China

UNDERGRADUATE RESEARCHER, DATA MINING LAB, BIG DATA RESEARCH CENTER, UESTC

Jul. 2016 - Present

- Currently reviewing relevant literature and focusing on establishing a link between synchronization-based clustering and dynamics-based network clustering.

Analysis about Efficiency of a Cycle Containing a Linear Process

Chengdu, P.R.China

UNDERGRADUATE RESEARCHER, SCHOOL OF PHYSICAL ELECTRONICS, UESTC

Sep. 2015 - Present

- Calculated the efficiency of a cycle containing a non-standard linear process with either ideal gas or Van Der Waals gas as its medium.
- Illustrated the endothermic and exothermic characteristics of a linear process and discussed the number of conversion points.
- Currently revising the details and planned to contribute to *AAPT Physics Teacher*.

Compulsoriness Role in Students' Evaluation of Teaching System

Chengdu, P.R.China

UNDERGRADUATE RESEARCHER, KEY LABORATORY FOR NEUROINFORMATION OF MINISTRY OF EDUCATION, UESTC

Mar. 2015 - Dec. 2015

- Designed an instrument to measure students' perception, motivation and feedback quality of students' evaluation of teaching system.
- Revealed the relationship between compulsoriness and students' behaviors.
- Provided practical suggestions to universities adopting a compulsory system to enhance feedback quality.

Honors & Awards

Honorary Graduate of UESTC

Chengdu, P.R.China

10%

Exp. Jul. 2018

- Students who finish the Honorary Undergraduate Program in Yingcai Honors College (Elite school of top 5% undergraduates) are granted Honorary Graduate of UESTC.

Tang Lixin Scholarship of Yingcai Honors College 2015 & 2016

Chengdu, P.R.China

FIRST PRIZE, ONLY ONE PER YEAR, \$4,492 × 2

Sep. 2015 & Sep. 2016

- Only awarded to the student with *most outstanding academic performance* in Yingcai Honors College each year.
- Student with this prestigious honor by UESTC's rules has to *give up* National Scholarship (1%, \$1,198).

Tang Lixin Scholarship of UESTC 2015

Chengdu, P.R.China

0.2%, \$1,497 PER YEAR UNTIL GRADUATION

Nov. 2015

- Top 60 out of over 25,000 undergraduate and graduate students at UESTC.

The 7th Chinese Mathematics Competitions

Chengdu, P.R.China

0.05%, 1ST OUT OF 1819 SELECTED CANDIDATES IN SICHUANG PROVINCE

Nov. 2015

- Failed to join the nationwide final competition due to schedule conflicts with the exchange program in NCTU though selected as one of the five finalists in Sichuang Province.

Core Courses Performance

Calculus I, 91; Mathematical Analysis II, 89; Linear Algebra and Space Analytic Geometry, 98;

Probability and Statistics, 100; College Physics I, 86; College Physics II, 91;

General Methods of Mathematical Physics and Function of a Complex Variable, 96; General English, 100;

English Document Reading, 98; English Academic Writing, 98; Academic English Exchanging and Report in English, 95;

Engineering Graphics, 98; Management, 95; Psychology and Modern Life, 100;

CS Advanced Programming Language Design, 92; Discrete Mathematics, 100;

Fundamentals of Software (Data Structure and Algorithms), 92;

EE Fundamentals of Circuit Analysis, 90; Fundamentals of Analog Circuit, 100; Digital Circuit Design, 99;

Signal and System, 97; Electromagnetic Wave, 99;

Relevant Skills

Programming C/C++, Java, Android, Matlab, Lingo, LaTeX, Verilog, DOT

Tools Mathcad, Multisim, Origin, SPSS

Languages Chinese (native), English (fluent)

Extracurricular Activities

Academic Group of Tang Lixin Elite Student Club of UESTC

Chengdu, P.R.China

MEMBER

Nov. 2015 - Present

- Members here share academic information and resources and discuss relative issues.

Cross-culture Communication Group of UESTC

Chengdu, P.R.China

AMBASSADOR

Oct. 2014 - Present

- Members take responsibility to facilitate cross-culture communication in the campus by conducting activities with foreign scholars and students.

BREEZE Summer Volunteer Team of Yingcai Honors College

Chengdu, P.R.China

MEMBER

Jul. 2015 - Aug. 2015

- A volunteer team providing care and support to senior citizens in geracomium in Chengdu.