

HAO WANG

No.28, Xianning West Road, Beilin District, Xi'an, Shaanxi Province, China

(+86)182 9287 6175 allan0703@foxmail.com

EDUCATION

Xi'an Jiaotong University

September 2014 - June 2018

B.E. in Electrical Engineering and Automation

Overall GPA:3.68/4.3 87.5/100

Top 10%

Related Courses: Programming Languages, Software Engineering, Intro. to Computer structure, Machine Learning, CNN for Visual Recognition, Data Structures and Algorithms

HONORS & QUALIFICATIONS

Outstanding Graduate of XJTU	2018
National Scholarship (6 out of 337)	2017
1 st Prize of the 3 rd GaN System Competition organized by CPSS	
The Silver Award of Shaanxi Province in the 3 rd "Internet +" Competition	
National Encouragement Scholarship (12 out of 337)	2016
2 nd Prize in Mathematics Modeling Contest of Shaanxi Province	
Excellent Student of XJTU	
National Encouragement Scholarship (12 out of 337)	2015
1 st Prize in Mathematics Modeling Contest of XJTU	

TECHNICAL STRENGTHS

Computer Languages	C/C++, Python, MATLAB, LaTeX, SQL
Tools	Visual Studio, PyTorch, Linux, MATLAB,

RESEARCH & EXCHANGE EXPERIENCE

Visiting Student, Visual Computing Center of KAUST	October 2019 - Present
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- Analyzed the oversmoothing of graph convolution network from the perspective of matrix principle and spectrum, proposed a metric to measure it.
- Implemented a shape-preserving GCN inspired by visualization and trained the model on PPI dataset.
- Try to find more efficient ways to apply graph representation learning in fields like recommender system.

Internship in UISEE

June 2019 - September 2019

Research Intern

- Responsible for data processing, model effect optimization and algorithms implementation of VoxelNet and F-Pointnet in our own data set and situation.
- Annotation tool development experience in C/C++ and excellent programming specifications.
- Well combined the open source libraries PCL and OpenCV methods into practical object detection project.

Sokoban Game Development

June 2018 - July 2018

Software Programmer/Leader

Programming Training, XJTU

- Programmed extensively as a C++ developer, worked on the user interface optimization and main functions realization, fixed bugs, corrected programming habits to improve execution efficiency and reduce errors.

- Led and engaged in the team throughout the game development life cycle, attended regular discussion, optimized code and updated daily progress.
- Presented a final showcase of the project to sixty three students and two tutors from industry to demonstrate its functionality and implementation.

Design of High Efficiency and High Power Density Inverter August 2017 - November 2017
Core Member *GaN System Competition, CPSS*

- Designed a single-phase inverter using GaN Devices with 300kHz f_s and 95% efficiency, operating on islanding mode.
- Helped to decide the main circuit topology and control strategy and simulated the system in PSIM and Simulink.
- Completed the design and test of signal sampling and conditioning circuits.
- Finished a part of the programming of DSP with CCS and debugged the whole system.

UAV Development, National University of Singapore 12 July, 2017 - 10 August, 2017
Core member

- Processed sensor data with Kalman filter, exchanged messages between laptop and APM 2.6 based on MAVLINK Protocol and used Mission Planner to monitor drone.
- Collaborated in a team of three to discuss project specifications, task assignments and solutions.
- Presented weekly progress to the tutor to ensure deadlines were met.

Development of Information Management System with MCU March 2017 - May 2017
Leader *Innovation Training Program, XJTU*

- Designed a system that can recognize ID cards, display information like identification photo and book lending information, and can change the password online.
- Completed program development of AT89C51 MCU in C language and communication between the client and host.
- Developed the user-friendly interface in JAVA.
- Realized the query, addition, deletion and modification of MySQL database.

EXTRA-CURRICULAR

Minister of Tang Zhongying Love Society. September 2017 - July 2018

- Responsible for the materials management, sending notices and team building.
- Organized various activities like bag guards and visiting the elderly in the community to pass love, care and attention.

Member of Runner Club September 2016 - June 2018

- Take professional running training every week and run a marathon once a year.
- Swim, play badminton and regularly go to gym with other members.

Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
GENERAL TRAINING Reading and Writing Modules are not designed to test the full range of language skills required for academic purposes.
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed after two years from the date of the test.

Centre Number

CN172

Date

26/APR/2019

Candidate Number

010553

Candidate Details

Family Name

WANG

First Name

HAO

Candidate ID

130427199707035912



Date of Birth

03/07/1997

Sex (M/F)

M

Scheme Code

Private Candidate

Country or Region
of Origin

CHINA (PEOPLE'S REPUBLIC OF)

Country of
Nationality

First Language

CHINESE

Test Results

Listening

7.0

Reading

8.0

Writing

6.0

Speaking

6.0

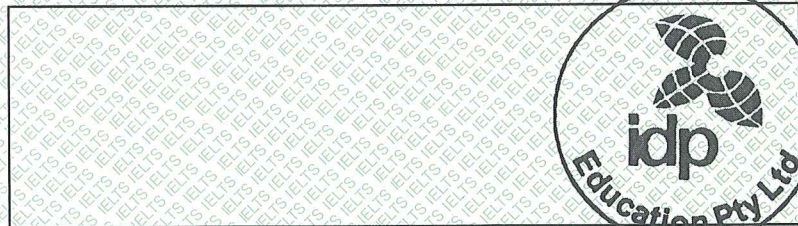
Overall
Band
Score

7.0

CEFR
Level

C1

Administrator Comments



Administrator's
Signature

Date

02/05/2019

Centre stamp



Validation stamp



Test Report Form
Number

19CN010553WANH172A

HAO WANG

Most Recent Test Date: April 4, 2019

Address: NO.28,XIANNING WESTROAD, BEILIN DISTRICT,XI'AN, XI'AN, Shaanxi,
710049 China

Registration Number: 5194336

Email: 172317795@qq.com

Phone: 86-18292876175

Date of Birth: July 3, 1997

Social Security Number (Last Four Digits):

Gender: Male

Intended Graduate Major: Electrical & Electronics Engineering -- Other (1299)

Your Scores for the General Test Taken on April 4, 2019

Verbal Reasoning

Your Scaled
Score:

154

65th
Percentile

Quantitative Reasoning

Your Scaled
Score:

166

90th
Percentile

Analytical Writing

Your
Score:

4.0

59th
Percentile

Your Test Score History

General Test Scores

Test Date	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
April 4, 2019	154	65	166	90	4.0	59