

Hongguang Zhang

1-7A, DushiSenlin, No.2 Yinhu Road, Haikou, Hainan, China | 570206

Phone: (86) 130 0602 8364 | Email: howardzhg@gmail.com

Personal Website: <https://howardzhg.github.io/>



EDUCATION

Hainan University

Bachelor of Science (Outstanding Graduate and Thesis) in Mathematics and Applied Mathematics

Thesis: A handwritten digit recognition algorithm based on spiking neural networks

Advisors: Professor Siling Feng

Haikou, Hainan

06/2019

GPA: 3.4/4.0, evaluated by WES (World Education Services)

Core Courses:

- Data Analysis(88/100)
- Principle and technology of database(90/100)
- Numerical analysis(93/100)
- Course Design of Mathematical Modeling(90/100)
- Experiment of Mathematical Modeling(98/100)
- C++ Programming(97/100)
- Advanced Algebra II(90/100)

GRE: 321 (VR 156 70% QR 165 76% AW 3.0 15%) Registration No.: 2229286

Test Date: 08/25/2023

TOEFL: 102 (L 28 R 29 S 20 W 25) Appointment No.: 9151409238931426

Test Date: 09/16/2023

WORK EXPERIENCE

Hainan Dingyue Culture Media Co., Ltd.

Haikou, Hainan

Assistant Accountant

08/2019 - 01/2023

- Assisted in formulating the company's annual budget, regularly tracked and analyzed budget utilization, and produced quarterly budget tracking reports.
- Prepared various financial statements, performance accounting materials, and vouchers, including transfer payment receipts, work content records, salary disbursement sheets, and recorded company fund inflows and outflows.

Assistant Produce Director in promotional videos and documentaries

03/2020- 01/2023

- Served as Assistant Director, assisting in script writing and post-production for 20 documentary and promotional films, such as:
 - "Fiftieth Anniversary Promotional Film of Dongfang Third Primary School"
 - "Special Report about Sanya Center for Disease Control and Prevention"
 - "Fire Scene" Fire Safety Warning Educational Film
 - "Overseas Chinese Affairs During COVID 19"
 - "Cherish Life and Stay Away from Danger"for juvenile
 - "Intangible Cultural Heritage of Hainan Province"
 - "Series of 8 Hospitals in Hainan Province"
 - 13 documentary and promotional films unlisted

RESEARCH EXPERIENCE

Project 1: A handwritten digit recognition algorithm based on spiking neural networks

01/2019-05/2019

Undergraduate Thesis

Supervised by Prof. Siling Feng, School of Information and Communication Engineering, Hainan University

- Developed a handwritten digit recognition algorithm utilizing gradient descent with momentum.
- Constructed a spiking neural network using the Tempotron algorithm, a supervised technique within spiking neural networks algorithms. Conducted testing using the MNIST dataset from the National Institute of Standards and Technology.
- Achieved a recognition rate of 92.00% through testing, showcasing the algorithm's substantial practical value.

Project 2: Comprehensive Technology Service Support Research for China (Hainan) Free Trade Zone 04/2018 - 10/2019

National Key Research and Development Project Declaration

Supervised by Prof. Siling Feng, School of Information and Communication Engineering, Hainan University

- Participated the sub-project "Research on Comprehensive Technological Support for China (Hainan) Free Trade Pilot Zone".
- Assisted in applying for national funding, including:
 - Compiled project budgets based on reliable sources of price information, including expenses for setting up testing servers, equipment costs for various types of workstations such as data modeling and analysis GPU computation servers, procurement of materials for experimental consumables, and personnel service fees.
 - Summarized and analyzed data on the research history, achievements, research requirements, and team composition of participating units in previous years related to the sub-project.
 - Assisted in writing the feasibility analysis of the project.

Project 3: Database Design of Employee Salary Management System**06/2018 - 07/2018***Supervised by Dr. Jiyun Guo, School of Mathematics and Statistics, Hainan University*

• My tasks:

- Conducted a requirement analysis of the essential needs to define the design task, system functionalities, and data dictionary for the Employee Salary Management System database.
- Created entity-attribute diagrams and entity-relationship diagrams for four types of users: System Administrators, Finance Department Administrators, Human Resources Department Administrators, and Employees. These diagrams were integrated into an overall Entity-Relationship diagram, completing the logical structure design of the database.
- Developed various essential tables, views, indexes, triggers, and stored procedures, including Social Security Information View, Salary and Benefits Query Stored Procedure, and Social Security Ledger Generation Stored Procedure.
- Conducted testing on the database by importing information from 100 randomly generated employees and performing various queries, maintenance, and update operations using the Salary Management System database for different user roles.

Project 4: Computer Lab Duty Roster Arrangement**05/2018 - 06/2018***Supervised by Dr. Jinzhuan Cai, School of Mathematics and Statistics, Hainan University*

• My tasks:

- Introduced 0-1 variables to represent binary discrete variables. Used the total weekly payment as the objective function and minimized it. Expressed various constraints using inequalities to establish a 0-1 linear programming model for scheduling and utilized LINGO software to solve the model. Obtained the optimal duty roster that minimizes the total weekly payment for the laboratory and determined the minimum weekly payment required.
- Generalized the problem to an n-person, k-days-per-round duty scheduling problem and formulated the mathematical model for the generalized problem.

Project 5: Research on Public Bicycle Service System**04/2018 - 07/2018***Supervised by Principal Zhigang Wang, School of Mathematics and Statistics, Hainan University*

• My tasks:

- Preprocessed the Zhejiang Province public bicycle data using SPSS software and conducted frequency analysis and histogram plotting for each variable's descriptive statistics.
- Calculated the distances between different stations using the product of theoretical shortest travel time & speed between stations.
- Grouped the borrowing and returning time intervals into 1-hour intervals to establish a cross-tabulation table of station numbers and borrowing/returning time intervals, obtaining peak periods for borrowing and returning bicycles and the corresponding distribution of usage duration.
- Employed cluster analysis to classify stations with similar peak borrowing and returning periods into clusters. Identified the tidal phenomena. Proposed solutions and suggestions for station selection and efficiency improvement.

Project 6: CT System Calibration and Imaging**07/2017 - 09/2017***China Undergraduate Mathematical Contest in Modeling (CUMCM)***International First Prize, Top 292/33062, Top 0.88% (almost 110,000 participants from Australia, Singapore and China)***Supervised by Principal Zhigang Wang, School of Mathematics and Statistics, Hainan University*

• My distribution: Leader

• My task:

- Implemented the local maximum search method to ascertain the geometric relationship between X-ray beams and the rotation center.
- Determined the inter-unit distances among detector elements.
- Formulated an algorithm based on the principles of filtered back projection and employed MATLAB for reconstructing received data from the CT system.
- Extracted pertinent information about the position, geometrical shape, and absorption characteristics of the unidentified medium within a square tray and provided absorption coefficients at specified locations.
- Constructed three evaluation metrics - the normalized mean squared distance criterion, the normalized mean absolute distance criterion, and the worst-case distance criterion - for the meticulous analysis of parameter calibration accuracy.
- Assessed the stability of parameter calibration by varying the rotation center's position and observing the ensuing accuracy fluctuations. Devised a novel template to enhance the precision and stability of calibration.

INTERNSHIP EXPERIENCE**NIIT Information Technology (Chengmai) Co., Ltd.****Chengmai, Hainan***Trainee of R Programming Language***05/2018 - 06/2018**

- Practiced in the application of R language, including data visualization, probability prediction, etc.
- Learned how to use R packages, such as "rvest", "party", "RSNNS", "rccp", "jiebaR", etc.

China Construction Bank, Hainan Branch**Haikou, Hainan***Data Analyst in Individual Loan Center, Housing Finance Department*

07/2017 - 08/2017

- Participated in data processing, documentation organizing, and customer reception.
- Conducted a research project on the status of campus loans for students at Hainan University through a combination of 109 online questionnaires and interviewed students. Analyzed the situation of campus loans.
- Provided suggestions on how to improve the business of campus loans for students in Hainan Province based on the analysis of illegal campus loan cases.

LEADERSHIP & ACTIVITIES**Director of Alumni Affairs**

05/2019 - Present

Office of Admissions and Employment (Alumni Office), Hainan University

- Liaised with and organize alumni from the department and class. Regularly update contact information of alumni.
- Assisted the Alumni Association in coordinating various activities, such as alumni back to school events.

Lecturer

12/2017

Invited by Mathematical Modeling Association, Hainan University

- Shared knowledge and methods on Matlab, including installing, programming, debugging, etc.

Director of the News Department

09/2016 - 06/2017

School of Information Science and Technology Student Union, Hainan University

- Responsible for covering events and activities of the university.
- All the news published on WeChat: sports games, famous professors interviews, and welcome parties for the freshmen, etc.
- "Excellent Journalist Station" to our news department was awarded by Hainan University in November, 2016.

Volunteer Teacher

06/2016 -07/2016

*Bijia Primary School, Danzhou, Hainan, China**Organized by Love and Care Association, Hainan University*

- Taught English to pupils in Grade 4, having 7 classes each week.
- Cooked Lunch for school every Thursday.

Member of the Web News Department

09/2015 -06/2016

Love and Care Association, Hainan University

- Reported on various charity activities of the Love Association, including event coverage, photography, and writing news articles for WeChat promotion.

Class Monitor

09/2015 - 06/2019

*Mathematics and Applied Mathematics Class 2015 (47 students)**School of Mathematics and Statistics, Hainan University*

- Planned all kinds of activities, such as knowledge contests, sports meet, and festival celebrations.
 - Tutored classmates in academic studies (research projects, programming, course designs and scholarships applications, etc.)
- Organized volunteer programs in and out of university, such as sales for charity and cares for the elderly, etc.

HONORS & AWARDS

- Employee of the Year Award, Hainan Dingyue Culture media Co., Ltd. 2020, 2021 and 2022
- Outstanding Graduate of Hainan University, TOP 3%, Hainan University 06/2019
- Outstanding Undergraduate Thesis (Design), TOP 3%, Hainan University 06/2019
- **International 1st Prize** (TOP 0.88%) ,China Undergraduate Mathematical Contest in Modeling (CUMCM) 11/2017
(almost 110,000 participants from Australia, Singapore and China)
- Third-class Comprehensive Scholarship for the Academic Years, Hainan University 2015-2016, 2016-2017 and 2017-2018
- Outstanding Leader of Hainan University 2015-2016, 2016-2017 and 2017-2018
- **A total of over 100 honors** in academics, speech, leadership, contests, sports, volunteers and activities,etc. since middle school

SKILLS & SPECIALITY

- C++, Matlab, Python, R, SPSS, Lingo, MySQL, Microsoft Office
- Writing (Published more than 45 Chinese poems since 11/2011 on https://www.52shici.com/collection.php?mem_id=3680)
(Published an article in "Ye Cheng" in 2011 <https://qikan.cqvip.com/Qikan/Article/Detail?id=1001814127>)
- Speech (Won 2nd prize in debate competition at School of Information Science and Technology, Hainan University)
- Leadership
(Director in the News Departments at School of Information Science and Technology Student Union, Hainan University)
(Leader at all kinds of activities)
- Swimming (Usual sports for at least 10 years)
- Basketball and climbing hills (favourite sports since middle school)
- Xiao (Chinese vertical flute; ever a member of school wind band in middle and high school)
- Language: Chinese Mandarin (Native), English (Fluent), Hainanese (Fluent), Japanese(Basic)

Attachment

Letter of Recommendation 1:

- Reference : Prof. Siling Feng
- Organization: Hainan University
- Title: Professor
- Email: fengsiling@hainanu.edu.cn
- Relationship: Advisor of Undergraduate Thesis



邮箱 (E-mail) : hs@hainanu.edu.cn
网址 (Web.) : <https://www.hainanu.edu.cn/>
地址 (Add.) : 海南省海口市人民大道 58 号

September 22, 2023

To whom it may concern,

In my capacity as Ph.D. Professor of the School of Information and Communication Engineering at Hainan University, I have had the privilege of knowing Hongguang Zhang since 2017, as both his course instructor and thesis advisor, providing me with profound insights into his capabilities. I am delighted to compose this letter of recommendation for him, endorsing his application to join your esteemed university's Ph.D. program.

My over-riding impression of him is that he is a unique student, intelligent and lively individual who is determined to make the most of his abilities in his beloved science field, enthusiastic about research projects, always trying to do in-depth research to spot future trends, and has his own learning style for academics research with strong will and motivation, for example, during my instruction for Zhang in five courses: C++ Programming, Experiment of C++ Programming, Data Structure and Algorithms, Experiment of Data Structure and Algorithms, and Course Design in Data Structure and Algorithms nearly a year, Zhang consistently achieved outstanding grades, consistently ranking among the top students in his class. His performance in the "Experiment of Data Structure and Algorithms" was particularly noteworthy, where he secured an impressive score of 98, ranking first in the entire department. His passion for programming and exceptional practical skills were evident throughout these courses. He consistently submitted programming assignments on time, ensuring that his code not only met the requirements but also adhered to precise formatting standards, with well-structured variables and comprehensive, accurate comments. For key algorithms discussed in class, he displayed a commendable level of dedication by researching related materials and meticulously documenting his study notes, thus deepening his understanding of algorithm principles and their practical applications. When faced with complex programming issues or uncertain feature implementations, he proactively sought guidance from both peers and instructors, simultaneously conducting library and online research to identify potential solutions. Since he was outstanding, he was selected to participate in several contests, and even won a rare big award: National 1st Prize in China Undergraduate Mathematical Contest in Modeling.

Moreover, he exhibited a strong willingness to assist his fellows. Throughout his study of C++ programming, data structures and algorithms, and the completion of his graduation project, many of his peers frequently approached him for guidance on coding and algorithmic challenges. Zhang consistently offered enthusiastic support, aiding them in troubleshooting code issues, and explaining algorithm principles in great detail. He patiently clarified any areas of confusion, further collaborating with his peers to discover solutions to their programming-related questions.



✉ 邮箱 (E-mail) : hs@hainanu.edu.cn
🌐 网址 (Web) : <http://www.hainanu.edu.cn/>
📍 地址 (Add.) : 海南省海口市人民大道 58 号

Because of his courtesy, co-operation, and helpfulness, he was popular with his peers and teachers, and was often selected as a leader to organize all kinds of activities.

Impressed by his exceptional performance in class, I became his thesis advisor in 2019 for his graduation project, titled "A handwritten digit recognition algorithm based on a spiking neural network". He displayed remarkable enthusiasm when selecting his graduation project topic and engaged in active discussions with me. His keen interest in spiking neural networks was evident, which was his excitement for acquiring new knowledge. After determining the project's subject matter, he initiated the process of literature review, meticulously examining both Chinese and English sources to identify relevant content that he could incorporate into his graduation project. Additionally, he actively pursued supplementary knowledge on spiking neural networks, such as the Momentum Gradient Descent Algorithm and Tempotron Algorithm, which were not covered in his previous coursework. This endeavor presented various challenges, as he needed to grasp the principles of spiking neural networks, construct the networks accurately, devise learning rules, and successfully design algorithms and code for the handwritten digit recognition task. He faced numerous obstacles, including how to understand the principles of spiking neural networks, construct them correctly, formulate learning rules, and design algorithms and code to address the handwriting recognition problem. Nevertheless, he demonstrated an unwavering commitment to overcoming these challenges, seeking guidance from both mentors and peers while also independently exploring potential solutions. He meticulously reviewed related literature, analyzed existing algorithms and open-source programs, and meticulously aligned code with algorithmic principles. Ultimately, he successfully resolved most of the challenges, delivering an exceptional graduation project.

I firmly believe that Hongguang Zhang's insatiable curiosity and determined spirit make him an excellent candidate for your Ph.D. program. His academic potential is commendable, and his aspiration to pursue a Ph.D. abroad is evident. Despite three years of work experience, he has chosen to embark on a Ph.D. journey, believing it aligns better with his life plan. I am confident that he will excel in his Ph.D. studies in the United States.

Should you have any further question, do not hesitate to contact me, please.

Sincerely,

Siling Feng

Ph.D., Professor of School of Information and Communication Engineering, Hainan University

Address: 58 Renmin Avenue, Haikou City, Hainan Province, China 570208

Phone: +86 13118970779

E-mail: fengsiling@hainanu.edu.cn

Letter of Recommendation 2:

- Reference : Prof. Jin Guo
- Organization: Hainan University
- Title: Professor
- Email: guojinecho@163.com
- Relationship: Coordinator of Class



邮箱 (E-mail) : hs@hainan.edu.cn
网址 (Web.) : <https://www.hainan.edu.cn/>
地址 (Add.) : 海南省海口市人民大道 58 号

09/26/2023

TO: Graduate School Admissions
RE: Recommendation Letter

To whom it may concern,

Hongguang Zhang was a student in my courses of Advanced Algebra I and Advanced Algebra II, as well as Class Monitor for four years. As Coordinator of his class, I know him well both in class and in his leadership, since he assisted me in class management during four-year undergraduate. I am pleased to provide this reference in support of his application to your Ph.D. program in Data Science or related program.

He exceeded expectations in the classroom and was one of the top performers amongst his peers. He was very motivated and had diligently worked through all assignments. He also took the time to meet with me during office hours to solve all kinds of class affairs and planned school activities, etc. I am only able to say that he is the one who has incredible versatility and part of the small number that took the initiative to stand out.

Hongguang Zhang always took over 90/100 Grades and showed proficiency in the course topics, which included:

- Matrix
- Linear space
- Quadratic form
- Euclidean space

Particularly, he possessed an excellent ability to analyze and summarize patterns, enabling him to swiftly grasp and comprehend new concepts. The section on "Matrix Operations" posed a particular challenge due to the abstract nature of matrices and the unique rules governing their operations. Hongguang would proactively seek clarification on any doubts from our lectures. His rapid comprehension of key concepts and his ability to summarize and analyze properties and rules of matrix operations showcased his exceptional learning capabilities, and thus, he ever obtained a national prize in China Undergraduate Mathematical Contest in Modeling.

Throughout his undergraduate years, Hongguang served as Class Monitor for four years, planned class or school activities, including all kinds of competitions in sports and knowledge and volunteer service work, especially excelled in resolving internal team conflicts, and often led his team winning many honors, which demonstrated his strong organizational leadership skills, and so he got honors of "Excellent Leader" in every semester year. He always expressed his willingness to seek challenging opportunities, despite knowing that being a remarkable Class Monitor at the university level was not an easy task, but he was still doing so, and actively embraced the role as a way to challenge himself and grow. Today, he makes a decision to pursue a Ph.D. in the US, and even would rather give up over three-year working experiences, which reflects his strong desire for personal growth and a new challenge.

I believe that he would be a valuable addition to your Ph.D. program because of his adaptability to new environments, exceptional self-study skills, teamwork spirit, and meticulous character. I would urge you to consider his application with my endorsement as noted in this letter.

If you have any other questions, please feel free to reach out.

Sincerely,
Jin Guo
Professor
School of Mathematics and Statistics, Hainan University
No. 58 Renmin Avenue, Haikou, Hainan, China, 570208
(86)189-0754-7128
guojinecho@163.com

Letter of Recommendation 3:

- Reference : Shengtao Zhou
- Organization: Hainan Dingyue Culture Media Co., Ltd.
- Position: Director
- Email: dingyue_zhous@163.com
- Relationship: Direct Supervisor

海南鼎悦文化传媒有限公司

Oct. 12, 2023

To the Admission Committee,

In my capacity as Director of Hainan Dingyue Culture Media Co., Ltd, I am writing this letter with my pleasure to recommend Hongguang Zhang highly for your Ph.D. program.

Mr. Hongguang Zhang ever worked as an accountant assistant in our company for nearly four years from August 2019 to January 2023 after he graduated from the best university in our province: Hainan University. His main responsibilities included assisting in the development of the company's annual budget, regular tracking and analysis of budget utilization, preparation and submission of various financial reports, performance accounting data, vouchers, and recording of the company's financial transactions. I was more than satisfied with his work, as all of his reports and statements were well-organized and accurate in data, and never had big mistakes like discrepancies in accounts or the loss of original documents.

What impressed me most was that Hongguang was adept at using the knowledge he learned at university to solve the problems and enhance work efficiency. For example, to address scheduling issues and ensure that the workload of each person in a project matched their wage budget, he used Lingo software to write a program that efficiently solved this problem. Compared to the previous manual scheduling process, this significantly improved efficiency, and even he often provided us some rationalization suggestions, such as how to modify and refine performance standards, provide more options for work allocation and improve company's overall efficiency.

In addition to his accounting position, Hongguang Zhang served as Assistant Director to produce promotional videos and documentaries for major events. Owing to his high level of writing and computer skills, at least 20 scripts were written by him, such as the project "Fiftieth Anniversary Promotional Video for Dongfang City Third Elementary School", "Special Report about Sanya Center for Disease Control and Prevention", "Overseas Chinese Affairs During COVID 19", etc. He could develop shooting plans, interview outlines, and write voiceover scripts for these promotional videos perfectly.

During his tenure, Hongguang Zhang demonstrated a meticulous, dedicated attitude, strong innovation capabilities, and a strong sense of work traceability, archiving and backing up all work-related emails, chat records, and electronic versions of work documents in accordance with company regulations, which facilitated the work handovers after his departure. All in all, he is such an outstanding talent, careful and thoughtful, lively and cheerful, with excellent team spirit, high comprehensive quality and experienced professional skills.

I understand and appreciate Hongguang's pursuit of self-improvement-going to the US for a Ph.D., though all staff including me did not want him to leave from my company. He ever shared with me his belief that being an accountant should not be the endpoint of his career. He aspires to take on more challenging roles that require innovation, particularly in the field of data analysis and data science. He recognizes that to pursue such a career, the accumulation of necessary knowledge and comprehensive skill training are indispensable, a sentiment I wholeheartedly share. I believe his pursuit can provide him with a solid foundation for future development in related fields, and so I sincerely hope you will consider his application favorably and offer an opportunity to make him a real difference!

Should the reader have any information needed regarding Hongguang, do not hesitate to contact me, please.

Yours faithfully,

Shengtao Zhou



Director, Hainan Dingyue Culture Media Co., Ltd.

E-mail: dingyue_zhous@163.com | Phone: +86 13368985661

Add: Yehai Aluminum Stainless Steel Market, Haikou City, Hainan Province, 570216, China

Certificate of Full-time Employment

海南鼎悦文化传媒有限公司

证 明

兹证明张泓广,男,护照号 EK9864817,出生日期为 1996 年 7 月 10 日,于 2019 年 8 月 1 日至 2023 年 1 月 31 日受聘于我公司财务部,担任会计助理职位,辅助会计整理应收账款、应付账款、帮助分析数据及相关财务统计,编制月度财务报表,制定公司年度预算,定期跟踪分析预算使用情况等工作。此外,他兼任大型公益宣传片和专题片的编导助理,协助编导进行前期采访、撰写脚本、脚本监督等工作。他对工作认真负责,一丝不苟,受到一致好评。

特此证明!

负责人(签名): 徐午

海南鼎悦文化传媒有限公司 (盖章)

2023 年 10 月 9 日

地址: 海南省海口市龙华区椰海大道海马二横路椰海铝材不锈钢市场 C 栋 4 楼

邮编: 570216

电话: 86-15890950909

邮箱: 385552106@qq.com

Certificate

We are pleased to confirm that Hongguang Zhang, male, passport No. EK9864817, date of birth: July 10, 1996, worked in our company from August 1, 2019 to January 31, 2023. During the over three years, he worked as Assistant Accountant in Finance Department in our company to assist Accountant in sorting out accounts receivable and accounts payable, analyzing data and relating financial statistics, preparing monthly financial statements, formulating the company's annual budget and regularly tracking and analyzing the use of the budget. In addition, he served as Assistant Director of large-scale public welfare publicity films, assisting in preliminary interviewing, script writing, script supervision and other work. He was meticulous and responsible earnestly to the work, and so he received unanimous praise.

If further information needed regarding Hongguang Zhang's, we shall be please to supply additional details on request.

Yours faithfully,

Wu Xu (徐午)

Director and General Manager

Hainan Dingyue Culture Media Co., LTD. (Sealed)

Date: October 9, 2023

Address: 4 / F, Building C, Yehai Aluminum Stainless Steel Market, Haima Erheng Road, Yehai Avenue, Longhua District, Haikou City, Hainan Province, China

Postal Code: 570216

Phone: 86-15890950909

E-mail: 385552106@qq.com

Bachelor's Degree & Graduate Certificate from Hainan University on June 30, 2019



Bachelor's degree of authentication

Online Verification Report of Higher Education Degree Certificate	
Date of Renewal: Sep. 22, 2023 Date of Expiry: Sep. 20, 2024	
Name	ZHANG HONGGUANG
Sex	Male
Date of Birth	Jul. 10, 1996
Degree Awarding Date	Jun. 30, 2019
Degree-conferring Unit	Hainan University
Degree Awarded	Bachelor of Science
Major	Mathematics and Applied Mathematics
Certificate No.	1058942019003378



Online Verification Code **X60ECPRADUFBDLH**

① Online authentication of the report can be made at <https://www.chsi.com.cn/xlcx/en/>

② or scan the QR code by 学信网 App.

Notes:

1. The report is subject to change. Please use the latest version of the report.
2. The report shall not be used for other purposes without the consent of its owner.
3. The online verification validity of the report is 1 year and can be extended before the report is expired by the report owner.



Verification Report

Online Verification Report of Higher Education Qualification Certificate

Date of Renewal: Oct. 10, 2023 Date of Expiry: Oct. 08, 2024

Name	ZHANG HONGGUANG
Sex	Male
Date of Birth	Jul. 10, 1996
Start Date	Sep. 07, 2015
Completion Date	Jun. 30, 2019
Higher Education Institution	Hainan University
Major	Mathematics and Applied Mathematics
Length of Program	4 Years
Education Level	Undergraduate
Type of Education	Regular Higher Education
Form of Learning	Full Time
Status	Graduated
Certificate No.	1058 9120 1905 0035 93
President Name	LUO QINGMING

Online Verification Code **AW9BAN3FHQZJKGYN**

- ① Online authentication of the report can be made at <https://www.chsi.com.cn/xlcx/en/>
② or scan the QR code by 学信网 App.

Notes:

1. For more information about "Type of Education" and "Education Level", please visit <https://www.chsi.com.cn/en/service/note.jsp>.
2. This verification report is based on the re-check result of the qualification certificate electronic registration information in accordance with the *Regulation of Higher Education Student Record and Qualification Registration* (Jiaoxue [2014] 11). It should be CHSI (<https://www.chsi.com.cn>), the only MOE-designated qualification authentication website, that conducts online verification service.
3. The report is subject to change. Please use the latest version of the report.
4. The report shall not be used for other purposes without the consent of its owner.
5. The online verification validity of the report is 1 year and can be extended before the report is expired by the report owner.



ETS

TOEFL iBT

Test Taker Score Report

Name: ZHANG, HONGGUANG

Last (Family/Surname) Name, First (Given) Name Middle Name

Email: howardzhg@163.com

Gender: Male

Date of Birth: July 10, 1996

Appointment Number: 9151 4092 3893 1426

Test Date: September 16, 2023

ZHANG, HONGGUANG

海南省海口市龙华区银湖路都市森林1号楼D单元7A

HAIKOU, Hainan 570005

China

05A

Inst. Code

Dept. Code

Country of Birth: China

Native Language: Chinese

Test Center: STN80005A - GUANGDONG UNIVERSITY OF FOREIGN STUDIES

Test Center Country: China

Security Identification

ID Type: National ID

ID No.: xxxxxxxxxxxxxxxxxxxxx1831

Issuing Country: China

THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.

September 16, 2023

Test Date Scores

Total Score

102

out of 120

Reading: 28

0

30

Listening: 29

0

30

Speaking: 20

0

30

Writing: 25

0

30

MyBest® Scores

Your highest section scores from all valid test dates, as of September 19, 2023.

Sum of Highest Section Scores

103

out of 120

Reading: 29

Test Date: May 20, 2023

0

30

Listening: 29

Test Date: Sep 16, 2023

0

30

Speaking: 20

Test Date: Sep 16, 2023

0

30

Writing: 25

Test Date: Sep 16, 2023

0

30

A total score is not reported when one or more sections have not been administered. Expired scores are not included in MyBest® calculations.

ETS

GRE

TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

HONGGUANG ZHANG

Address: ROOM7A, UNIT D,BUILDING 1, DUSHISENLIN, YINHU ROAD, HAIKOU, 570005 China

Email: howardzhg@163.com

Phone: 86-13006028364

Date of Birth: July 10, 1996

Gender: Male

Intended Graduate Major: Data Processing (0403)

Most Recent Test Date: September 15, 2023

Registration Number: 2126338

Print Date: October 6, 2023

Your Scores for the General Test Taken on September 15, 2023

Verbal Reasoning

Your Scaled Score:

145

130170

22nd Percentile

Quantitative Reasoning

Your Scaled Score:

164

130170

73rd Percentile

Analytical Writing

Your Score:

3.0

06

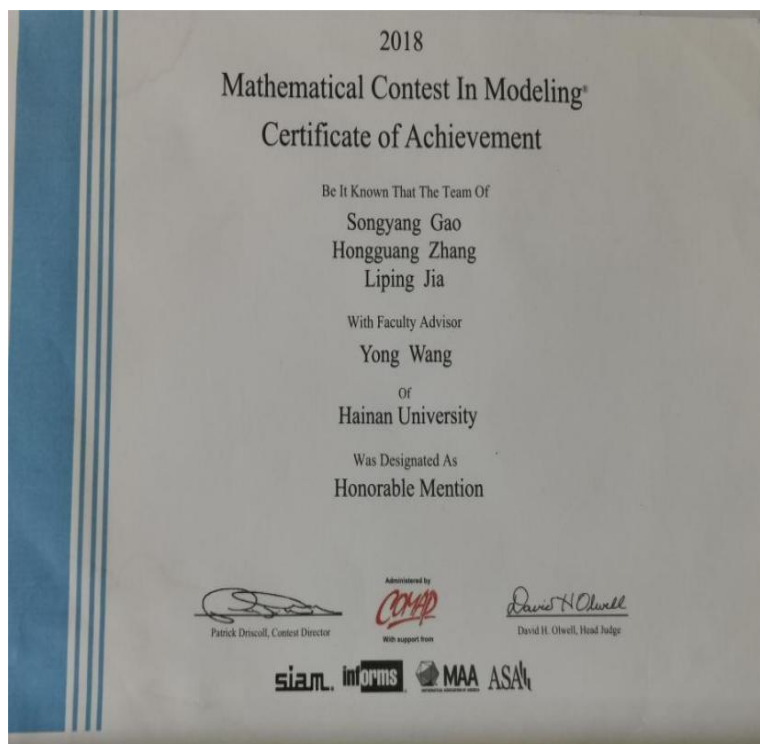
15th Percentile

Your Test Score History

General Test Scores

Test Date	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
September 15, 2023	145	22	164	73	3.0	15
August 25, 2023	156	70	165	76	3.0	15

- 11 -

Mathematical Contest In Modeling

International 1st Prize in "China Undergraduates Mathematics Contest in Modeling" (CUMCM), TOP 0.88% (11/2017)



Awarded by China Society for Industrial and Applied Mathematics & China Undergraduates Mathematical Modeling Contest Committee

Outstanding Graduate of Hainan University in 2019, TOP 3%



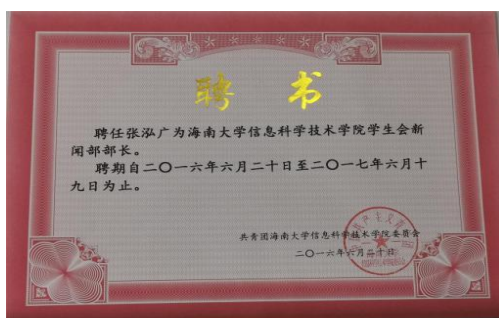
Outstanding Student of Hainan University, Top 3%



Scholarship for Outstanding Student in academic years of 2015-2016, 2016-2017 and 2017-2018



Employment Offer from Hainan University for Director of News Department & Alumni Affairs Director



Outstanding Leader of Hainan University in 2017-2018; 2016-2017; 2015-2016



Honors & Awards in academics, speech, leadership, contests, sports, volunteer & activities from high school to university

