

Hongguang Zhang

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

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EDUCATION

Hainan University

Bachelor of Science in Mathematics and Applied Mathematics, GPA: 3.26/4.0

Haikou, Hainan

09/2015 – 06/2019

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 Director of production in promotional videos and documentaries

- In addition to fulfilling responsibilities as an accountant, I also 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 about 8 Hospitals in Hainan Province", etc.

RESEARCH EXPERIENCE

1) A handwritten digit recognition algorithm based on spiking neural network

01/2019-05/2019

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 network 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.

2) Comprehensive Technology Service Support Research for China (Hainan) Free Trade Zone

04/2018 - 10/2019

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".
- 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.

3) Employee Salary Management System Database Design

06/2018 - 07/2018

School of Mathematics and Statistics (School of Information Science and Technology), Hainan University

- 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.
- Based on the analysis results, 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 of 100 randomly generated employees and performing various queries, maintenance, and update operations using the Salary Management System database for different user roles.

4) Computer Lab Duty Roster Arrangement

05/2018 - 06/2018

School of Mathematics and Statistics (School of Information Science and Technology), Hainan University

- Introduced 0-1 variables to represent binary discrete variable. 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.

5) Research on Public Bicycle Service System

04/2018 - 07/2018

School of Mathematics and Statistics (School of Information Science and Technology), Hainan University

- 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 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.

6) CT System Calibration and Imaging, China Undergraduate Mathematical Contest in Modeling

07/2017 - 09/2017

National First Prize, Top 292/33062, Top 0.88%

School of Mathematics and Statistics (School of Information Science and Technology), Hainan University

- Implemented the local maximum search method to ascertain the geometric relationship between X-ray beams and the rotation center and determining the inter-unit distances among detector elements.
- Formulated an algorithm based on the principles of filtered backprojection 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

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.

EXTRACURRICULAR ACTIVITIES

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

05/2019 - Present

Alumni Affairs Director for the Class of 2019 at the Department and Class Level

- 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.

Hainan University, School of Information Science and Technology Student Union

09/2016 - 06/2017

Director of the News Department

- Responsible for covering events and activities of the school and the student union, including taking event photos and writing news articles for WeChat promotion.
- Participated in news reporting for the University Sports Games, and the department received the honorary title of "Excellent Journalist Station."

Hainan University, Love and Care Association

09/2015 - 06/2016

Member of the Web News Department

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

HONORS AND AWARDS

- Outstanding Undergraduate Thesis (Design), TOP 3.9% (06/2019)
- Outstanding Graduate of Hainan University, TOP 10% (06/2019)
- National 1st Prize in China Undergraduate Mathematical Contest in Modeling (CUMCM), TOP 0.88% (11/2017)
- Third-class Comprehensive Scholarship for the Academic Years 2015-2016, 2016-2017, and 2017-2018, TOP 15%

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 several articles in "Ye Cheng"-The Chinese Scientific and Technical Periodical)
- Speech (Won many prizes in speech competitions at middle school, high school and university)
- Leadership (Monitor of the class for 6 years; Director in some departments at 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)

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):

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 **X60ECPRADUFBDELH**

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.



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.



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

Inst. Code

Dept. Code

Country of Birth: China

Native Language: Chinese

Test Center: STN80005A - GUANGDONG UNIVERSITY OF FOREIGN STUDIES

Test Center Country: China

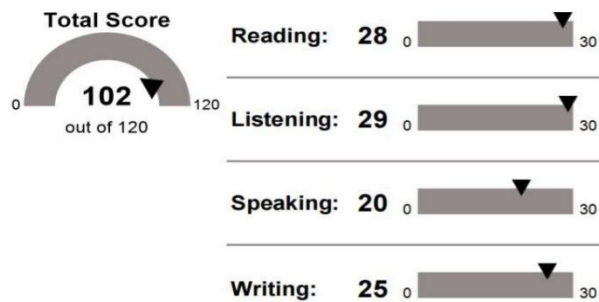
Security Identification

ID Type: National ID

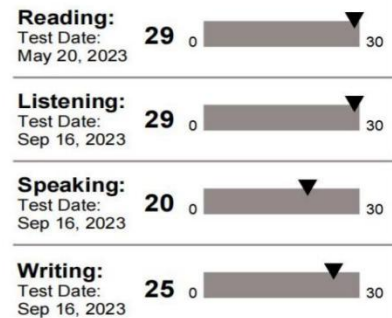
ID No.: xxxxxxxxxxxxxxxxxxxxx1831

Issuing Country: China

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

**September 16, 2023
Test Date Scores****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

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

TEST TAKER SCORE REPORT

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

HONGGUANG ZHANG**Most Recent Test Date: September 15, 2023**

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

Registration Number: 2126338
Print Date: October 6, 2023

Email: howardzhg@163.com

Phone: 86-13006028364

Date of Birth: July 10, 1996

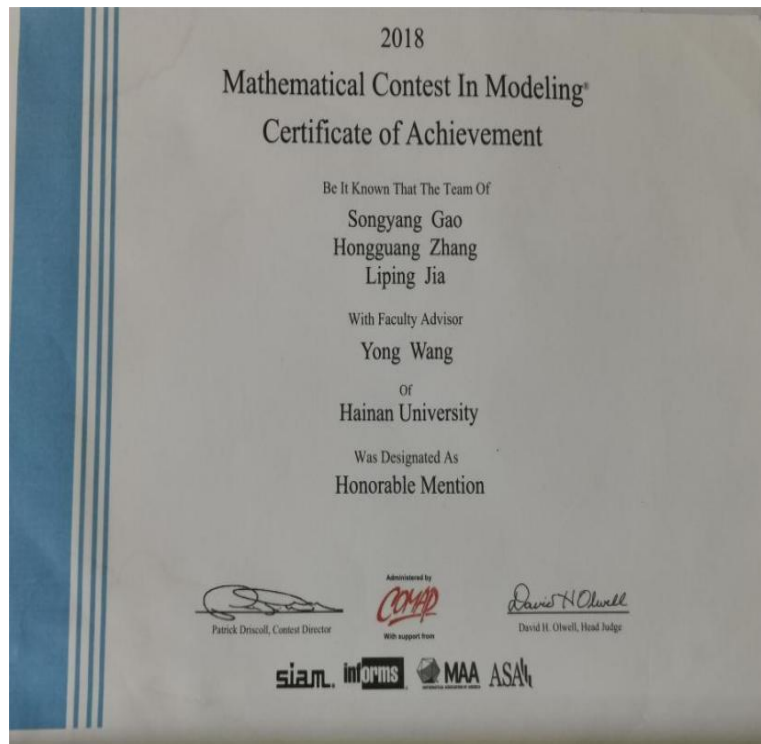
Gender: Male

Intended Graduate Major: Data Processing (0403)

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

2018 Mathematical Contest In Modeling Certificate of Achievement



National 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

2019 Outstanding Graduate of Hainan University, TOP 10%



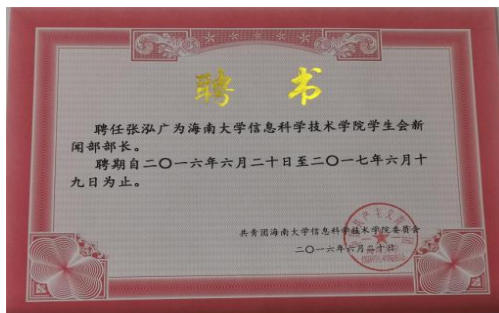
Outstanding Student of Hainan University, Top 3%



Scholarship for Outstanding Student in academic years of 2015-2016, 2016-2017, and 2017-2018, TOP 15%



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

