山东大学

SHANDONG UNIVERSITY

Certificate

This is to certify that Mr. Zhengliang Shi (Student ID: 201900130133) is an undergraduate student majoring in Computer Science and Technology at Shandong University. His study period is from September 2019 to June 2023, with an expected graduation date in June 2023.

His academic record is as follows:

- Grade Point Average (GPA): 93.46 / 100
- Comprehensive Academic Ranking: 2 out of 182 students

This certificate is issued upon request for official reference.

山东大学 SHANDONG UNIVERSITY

本科学生成绩单
Academic Transcript for Undergraduate Student

Name	Shi Zhengliang		Student ID	201900130133	Gender	Male	
School	School of Computer Science and Technology		Major	Computer Science and Technology			
Length of Schooling	4	Date of Admission	2019/09	Date of Graduation		2023/06	
Required Credits	135.00	Distributional Elective Credits	12.00	Free Elective Credits		16.00	
Transfer Credits	0.0	Total Credits	163.00	GPA		93.46	

Semester	Course Title	Course Item	Credits	Hours	Grade
2019 I	Advanced Mathematics(1)	Required	5.0	80	93
2019 I	Freshman seminar	Required	2.0	32	Excellent
2019 I	Computational thinking and programming	Required	4.5	88	88
2019 I	Linear Algebra	Required	3.5	56	86
2019 I	Morals and Law	Required	3.0	48	95
2019 I	Outline of Chinese Modern History	Required	3.0	64	84
2019 I	Physical Education(1)	Required	1.0	32	94
2019 I	English for General Academic Study (1)	Required	4.0	120	84
2019 I	Military Training	Required	0.0	3	93
2019 II	Advanced Mathematics(2)	Required	5.0	80	98
2019 II	Mathematics Modeling	Free	2.0	32	91
2019 II	Experiments for Fundamentals of Electric Circuits and Electronic Technology	Required	1.0	32	Excellent
2019 II	Advanced Programming Language	Required	3.5	80	90
2019 II	Discrete Mathematics	Required	4.0	64	100
2019 II	Elementary of Electric and Electronic Circuits	Required	2.0	32	97
2019 II	Physical Education(2)	Required	1.0	32	92
2019 II	English for General Academic Study (2)	Required	4.0	120	94
2019 II	Learn English with Music	Free	1.0	16	Excellent
2019 II	Military Theory	Required	2.0	32	94
2019 II	The Three Gorges of History: Trends and Politics in Modern China	Free	1.0	21	100
2019 II	Trend and Policy(2)	Required	0.5	16	94
2019 II	Computer Simulation and Data Analysis	Free	1.0	16	95
2019 II	College Physics Experiment	Required	1.0	32	Excellent
2019 II	College Physics	Required	3.0	48	97
2019 II	Cross-disciplinary innovative practice	Free	2.0	32	85
2019 III	Training on mathematical modeling contest	Free	0.0	190	Qualified
2020 I	National English Test-4	Free	0.0	0	534
2020 I	Overview of the Administrative Management	Free	2.0	32	87
2020 I	Study of Traditional Literature	Free	2.0	32	98
2020 I	Principles of Computer Systems	Required	3.5	64	86
2020 I	Probability and Statistics	Required	3.5	56	100
2020 I	Data Structures and Algorithms	Required	5.0	96	94
2020 I	Database System	Required	4.5	88	91
2020 I	Perceptual Practice	Required	1.0	16	Excellent
2020 I	Physical Education(3)	Required	1.0	32	97
2020 I	Entrepreneurship Foundation	Free	2.0	32	91
2020 I	Western Art Appreciation	Free	2.0	26	97
2020 II	Experiments for Digital Logic	Required	1.0	32	Excellent
2020 II	The composition and design of computer	Required	4.5	88	98

S/N:SDUT CBNL ANLN MDEB LCJD   Issue Date：2023-09-26-4   Academic Affairs Office(Seal):

Verification URL:http://202.194.7.87:8080

本科生院成绩证明专用章

山东大学
SHANDONG UNIVERSITY

本科学生成绩单
Academic Transcript for Undergraduate Student

Name	Shi Zhengliang		Student ID	201900130133	Gender	Male	
School	School of Computer Science and Technology		Major	Computer Science and Technology			
Length of Schooling	4	Date of Admission	2019/09	Date of Graduation		2023/06	
Required Credits	135.00	Distributional Elective Credits	12.00	Free Elective Credits		16.00	
Transfer Credits	0.0	Total Credits	163.00	GPA		93.46	

Semester	Course Title	Course Item	Credits	Hours	Grade
2020 II	Programming thinking and practices	Required	3.0	64	Good
2020 II	Digital Logic	Required	2.0	32	98
2020 II	Computer Networks	Required	4.5	88	98
2020 II	Data structures and algorithms curriculum design	Required	2.0	48	Excellent
2020 II	Principles of Marxism	Required	3.0	48	93
2020 II	Physical Education(4)	Required	1.0	32	95
2020 II	Trend and Policy(4)	Required	0.5	16	86
2021 I	National English Test-4	Free	0.0	0	592
2021 I	Computer Graphics	Required	3.0	64	96
2021 I	Computer organization and design course design	Required	2.0	48	Excellent
2021 I	Certified Software Professional	Required	1.0	32	Good
2021 I	Operating System	Required	4.0	72	98
2021 I	Algorithm Design and Analysis	Required	3.0	48	94
2021 I	Data Visualization	Distributional	3.0	64	96
2021 I	Introduction to Theory of Justice	Free	1.0	18	93
2021 II	Course Design of the Operating System(Bilingual)	Required	2.0	48	Excellent
2021 II	Principles of Compiler	Required	3.5	64	96
2021 II	Computer Architecture	Required	3.5	64	97
2021 II	Cloud Computing Technology	Distributional	3.0	64	91
2021 II	Scientific and technological activities	Required	1.0	32	Excellent
2021 II	Software Engineering and Practice	Required	3.0	64	85
2021 II	The Introduction to Mao Zedong Thought and Theoretical System of Socialism with Characteristic of China	Required	5.0	96	92
2021 II	The Outline of Xi Jinping's Thought on Socialism with Chinese Characteristics in the New Era	Required	2.0	32	92
2021 II	Trend and Policy(6)	Required	1.0	16	92
2022 I	Artificial Intelligence	Distributional	3.0	64	94
2022 I	Social Networks and Social Media Analysis	Distributional	3.0	64	98
2022 II	Senior Thesis	Required	7.0	14	Excellent
2022 II	Graduation Practice	Required	1.0	0	Qualified
2022 II	National English Test-6	Free	0.0	0	534

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本科生院成绩证明专用章
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山东大学本科学生成绩单相关说明
Explanation of Undergraduate Academic Transcript in Shandong University

一、平均学分绩点计算公式（GPA Formula）

平均学分绩点=∑(课程成绩*课程学分)/∑课程总学分；任选课与交流成绩不参加平均学分绩点计算。

GPA=∑（course grade*course credits）/ ∑total credits.

Free Elective Courses' and Exchange Courses' grades are NOT counted in GPA calculation.

二、学时、学分标准（Schooling Hours and Credits）

1 学时=50 分钟；理论课程 16 学时 = 1 学分；实验课程 32 学时 = 1 学分；实践课程 1-2 周=1 学分。

One schooling hour = 50 minutes; for theoretical courses, 16 schooling hours = 1 credit; for experiment courses, 32 schooling hours = 1 credit; for practice courses, 1-2 weeks = 1 credit.

三、交流成绩（Exchange Courses Grade）

参加国内外交流合作的学生所取得的成绩不在此成绩单中，其成绩证明由参加交流合作的学校出具。

The grades obtained by students participating in mobility programs at home and abroad are not included in this transcript. Relevant academic records will be issued by host institutions.

四、成绩等级（Grade Level）

课程绩点计算办法及与不同计分法对应关系表
The correspondence table of grade marking system and other scoring methods

等级 Grade	成绩等级与课程绩点对应关系 Corresponding relations of grades and course GPA				五级计分法及对应关系 Five-level marking system and corresponding relations	二级计分法及对应关系 Two-level marking system and corresponding relations
	2018 级及以后年级 Grade 2018 and beyond		2018 级以前年级 Grade before 2018			
	课程绩点 Course GPA	百分制成绩 Percentage Score	课程绩点 Course GPA	不同等级比例 Proportion of different grades		
A+	4.5-5.0	95-100	5.0	前 5.00%	90-100/优秀 (Excellent) /A/4.5	合格 (Qualified) /B/3.5
A	4.0-4.4	90-94	4.5	5.01%-10.00%		
A−	3.5-3.9	85-89	4.2	10.01%-20.00%		
B+	3.2-3.4	82-84	3.8	20.01%-35.00%	80-89/良好 (Good) /B/3.5	
B	2.8-3.1	78-81	3.5	35.01%-50.00%		
B−	2.5-2.7	75-77	3.2	50.01%-65.00%		
C+	2.1-2.4	71-74	2.8	65.01%-75.00%	70-79/中等 (Average) /C/2.5	
C	1.6-2.0	66-70	2.5	75.01%-85.00%		
C−	1.2-1.5	62-65	2.2	85.01%-95.00%		
D	1.0-1.1	60-61	1.5	95.01%-100.00%	60-69/及格(Pass) /D/1.5	
F	0	<60	0		0-59/不及格 Fail) /F/0	不合格(Fail) /F/0

优秀、良好、中等、及格、不及格分别以 95 分、85 分、75 分、65 分、0 分参与百分制平均学分绩点的计算；合格、不合格分别以 85 分、0 分参与百分制平均学分绩点的计算。

GPA is calculated using the following scale to give each grade a numerical value: 95 for Excellent, 85 for Good/Qualified, 75 for Average, 65 for Pass, and 0 for Fail.

五、毕业日期（Graduation Date）

成绩单中的毕业日期为学生预计毕业时间，如取得毕业证则为实际毕业时间。

The date on the academic transcripts is the anticipated graduation date, and the real graduation date is indicated on the students' diplomas.