TSINGHUA UNIVERSITY
ACADEMIC TRANSCRIPT

Student Name Zhao Zishuo

Student No. 2015011255 **Student Type** Undergraduate **Date of Admission** August,2015

School/Department Institute for Interdisciplinary Information Sciences **Major** Computer Science and Technology

Course Number	Course Title	Credit	Grade	Points	Equivalent 100-point value*	Year-Semester
12090043	Military Theory and Skill Training	3	B	3.3	82	2015-Summer
10421055	Calculus A(1)	5	B+	3.6	87	2015-Autumn
10421094	Linear Algebra(1)	4	A-	4.0	92	2015-Autumn
10610183	Ideological Moral and Legal Education	3	C+	2.6	75	2015-Autumn
10641092	Reading & Writing for Research Papers	2	B	3.3	82	2015-Autumn
10720011	Physical Education(1)	1	B	3.3	82	2015-Autumn
20240013	Discrete Mathematics(1)	3	A	4.0	98	2015-Autumn
30210041	Introduction to Information Science and Technology	1	B	3.3	82	2015-Autumn
30240233	Fundamentals of Programming	3	A	4.0	98	2015-Autumn
30240282	Computer Science:An Overview	2	B+	3.6	87	2015-Autumn
00260061	Quantum information process and its implemention with superconducting devices	1	P	N/A	N/A	2016-Spring
02070071	Mental Training and Latent Ability Developing	1	P	N/A	N/A	2016-Spring
02090051	The Series Course of The Present National Defence	1	B	3.3	82	2016-Spring
10421065	Calculus A(2)	5	B+	3.6	87	2016-Spring
10421102	Linear Algebra(2)	2	A+	4.0	100	2016-Spring
10430344	Physics(1)(in English)	4	A	4.0	98	2016-Spring
10610193	Outline of Modern Chinese History	3	C+	2.6	75	2016-Spring
10641032	Listening & Speaking for Academic Purposes (3)	2	B+	3.6	87	2016-Spring
10720021	Physical Education(2)	1	D	1.3	61	2016-Spring
20240023	Discrete Mathematics(2)	3	A-	4.0	92	2016-Spring
30240532	Foundation of Object-Oriented Programming	2	A	4.0	98	2016-Spring
30470023	Mathematics for Computer Science	3	A-	4.0	92	2016-Spring
42540023	Students Research Training	3	B+	3.6	87	2016-Spring
30470252	Theory and Practice of Modern Information Technology	2	A	4.0	98	2016-Summer
30470262	Big Data Analytics	2	B	3.3	82	2016-Summer
10420252	Introduction to Complex Analysis	2	B	3.3	82	2016-Autumn
10430354	Physics(2)(in English)	4	A-	4.0	92	2016-Autumn
10610204	Principle of Marxist Philosophy	4	B+	3.6	87	2016-Autumn
10640982	Techniques in Academic English: Critical Reasoning	2	B+	3.6	87	2016-Autumn
10720031	Physical Education(3)	1	B	3.3	82	2016-Autumn
20250153	Fundamentals of Digital Electronics	3	A-	4.0	92	2016-Autumn
30420384	Abstract Algebra	4	B	3.3	82	2016-Autumn
30470104	Machine learning	4	A-	4.0	92	2016-Autumn
30470124	Algorithm Design	4	B	3.3	82	2016-Autumn
40470224	Advanced Applications of Machine Learning	4	W	N/A	N/A	2016-Autumn
00780091	Music Knowledge and Appreciation for College Students	1	A-	4.0	92	2017-Spring
10610224	Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristic	4	B	3.3	82	2017-Spring
10690013	Roads to Academic	3	B+	3.6	87	2017-Spring
10720041	Physical Education(4)	1	C-	2.0	68	2017-Spring
20240033	Numerical Analysis	3	A-	4.0	92	2017-Spring
30240551	Digital Logic Experimentation	1	P	N/A	N/A	2017-Spring
30470134	Theory of Computation	4	B+	3.6	87	2017-Spring
30470154	Game Theory	4	B+	3.6	87	2017-Spring

Total Credits: 186 **GPA:** 3.64 **Date of Graduation:** ********** **Degree Conferred:** **********

*** Refer to the back for the description of the Equivalent 100-point value**

University Registrar: 尹佳

Official Seal:

Date Printed: September 14, 2019

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School/Department Institute for Interdisciplinary Information Sciences **Major** Computer Science and Technology

Course Number	Course Title	Credit	Grade	Points	Equivalent 100-point value*	Year-Semester
40240784	Computer Organization and Architecture	4	A	4.0	98	2017-Spring
40470034	Distributed Computing(Fundamentals and Systems)	4	B	3.3	82	2017-Spring
40470194	Speech Science, Technology and Innovative Applications	4	A-	4.0	92	2017-Spring
40470202	Network Science	2	B+	3.6	87	2017-Spring
30470272	Computational Modeling for Urban System Regulation	2	A	4.0	98	2017-Summer
00050071	Introduction to Sustainable Development	1	P	N/A	N/A	2017-Autumn
10720110	Physical Education(1)	0	B-	3.0	78	2017-Autumn
30240382	Principles and Practice of Compiler Construction	2	B+	3.6	87	2017-Autumn
30420364	Topology	4	A-	4.0	92	2017-Autumn
30470113	Advanced Computer Graphics	3	B+	3.6	87	2017-Autumn
40470024	Fundamentals of Cryptography	4	B	3.3	82	2017-Autumn
S1510021	Exploration to Scientific Research of Lab1	1	P	N/A	N/A	2017-Autumn
40470094	Quantum Information	4	W	N/A	N/A	2017-Autumn
40470243	Artificial Intelligence: Principles and Techniques	3	W	N/A	N/A	2017-Autumn
40470085	Research Immersion Training	5	A-	4.0	92	2018-Summer
00781882	Music Phenomena in The Multi-Culture	2	C+	2.6	75	2018-Autumn
30470013	Introduction to Computer Science	3	B-	3.0	78	2018-Autumn
40420644	Differential Geometry	4	P	N/A	N/A	2018-Autumn
40470169	Research Practice	9	A	4.0	98	2018-Autumn
20220494X	Principles of Electric Circuits	4	W	N/A	N/A	2018-Autumn
00640312	From the Silver Screen:English Films Appreciation	2	B	3.3	82	2019-Spring
02090061	Shooting	1	P	N/A	N/A	2019-Spring
10720120	Physical Education(2)	0	D+	1.6	65	2019-Spring
10720140	Physical Education(4)	0	P	N/A	N/A	2019-Spring
30470223	Introduction to Computer Networks	3	C+	2.6	75	2019-Spring
40470075	Diploma Project (Thesis)	15	A	4.0	98	2019-Spring
70420304	Algebraic Topology	4	W	N/A	N/A	2019-Spring
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Total Credits: 186 **GPA:** 3.64 **Date of Graduation:** ********** **Degree Conferred:** **********

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KEY TO TRANSCRIPT

I. COURSE NUMBERING SYSTEM

Each course number consists of 8 characters.

The first character indicates the course level:

0-4 or H-T, W = undergraduate courses

6-9, A-G or X-Z = graduate courses

II. CREDIT

Credit is reported in terms of semester hours, whether earned during a 16-week semester or a summer session. For 1 unit of credit, either one hour per week is allotted to lecture or discussion, or two hours per week are allotted to laboratory, while more hours are needed for preparation or subsequent reading and study.

III. THE RECORD ENDS WITH **********.

IV. DATE OF GRADUATION and DEGREE CONFERRED

For currently enrolled undergraduates, the columns of DATE OF GRADUATION and DEGREE CONFERRED are **********.

V. GRADING SYSTEMS

a) EFFECTIVE for students who matriculated in spring 2015 and after

(i) Tsinghua University converted to a LETTER GRADING SYSTEM. The table below shows the grades in detail.

(ii) Credits are given for A+, A, A-, B+, B, B-, C+, C, C-, D+, D, P and EX.

(iii) W: Withdrew.

(iv) I: Incomplete. Marked when a student's application is approved for not attending the final exam.

(v) EX: Exemption. Students receive credits for exempted courses.

Grade	Grade Points	Corresponding 100-point Range	Equivalent 100-point value*
A+	4.0	95-100	100
A			98
A-		90-94	92
B+	3.6	85-89	87
B	3.3	80-84	82
B-	3.0	77-79	78
C+	2.6	73-76	75
C	2.3	70-72	71
C-	2.0	67-69	68
D+	1.6	63-66	65
D	1.3	60-62	61
F	0	0-59	0
P	N/A	N/A	N/A
F	N/A	N/A	N/A

* For the transition period in 2015-2018 between the 100-point grading system and the letter grading system, Tsinghua has provided a corresponding average of values in the 100-point range of each grade. The equivalent 100-point value for course receiving credits corresponds to the median in the range. Students who matriculated in spring 2019 and after no longer use the equivalent 100-point value.

b) EFFECTIVE for students who matriculated prior to spring 2015

(i) 100-POINT GRADING SYSTEM: Credits are given for 60 points and above.

(ii) PASS/FAIL SYSTEM: Credits are given for PASS.
DISTINCTION (for undergraduates only): Credits are given for DISTINCTION.

(iii) REPEATED COURSES: The transcript displays only the latest result of a repeated course. Repeated courses are designated with an "Rn" code beside the final grade, where "n" indicates the number of times the course was repeated.

VI. GRADING POLICY REFORM 2015-2018

In the ten years prior to spring 2015, 30 percent of A-range grades have been given. From fall 2015 through spring 2018, Tsinghua initiated a grading reform: A-range grades (A+, A, A-) were to account for 20 percent of the grades given in all courses. In fall 2018, the faculty reaffirmed its commitment to fair and transparent assessment and removed its numeric target for the percent of A-range grades.

VII. GPA CALCULATION

$$\text{GPA}=\frac{\sum \text{Course Credit} * \text{Grade Point}}{\sum \text{Course Credit}}$$

GPA is shown for students who matriculated in spring 2015 and after in a 4.0 grading scale. Course grades with N/A (Not Applicable) should not be included in GPA calculation.