TSINGHUA UNIVERSITY
ACADEMIC TRANSCRIPT

Student Name Bai Runsheng

Gender Male   **Student No.** 2021011793   **Student Type** Undergraduate   **Date of Admission** September,2021

School/Department School of Software   **Major** Software Engineering

Course Number	Course Title	Credit	Grade	Point	Year-Semester
10240022	Fundamentals of Computer Science	2	A-	4.0	2021-Autumn
10421055	Calculus A(1)	5	A-	4.0	2021-Autumn
10421324	Linear Algebra	4	A-	4.0	2021-Autumn
10680011	Situation and Policy	1	A-	4.0	2021-Autumn
10680053	Ideology,Morality and Rule of Law	3	B+	3.6	2021-Autumn
10720011	Physical Education(1)	1	B+	3.6	2021-Autumn
10720150	Swimming Competency Test	0	P	N/A	2021-Autumn
12090052	Military Theory	2	A	4.0	2021-Autumn
14201102	English for Academic Purposes (B): Essay Writing	2	A-	4.0	2021-Autumn
24100023	Discrete Mathematics(1)	3	A-	4.0	2021-Autumn
30210041	Introduction to Information Science and Technology	1	B+	3.6	2021-Autumn
34100063	Programming Methodology	3	A	4.0	2021-Autumn
00240301	Artificial Intelligence and its Frontiers	1	W	N/A	2021-Autumn
00050083	Fundamental Geology	3	P	N/A	2022-Spring
10421065	Calculus A(2)	5	A-	4.0	2022-Spring
10421382	Advanced Topics in Linear Algebra	2	A	4.0	2022-Spring
10430484	Physics for Scientists and Engineers B(1)	4	A	4.0	2022-Spring
10610193	Outline of Modern Chinese History	3	P	N/A	2022-Spring
10691342	Writing and Communication	2	A	4.0	2022-Spring
10720021	Physical Education(2)	1	A-	4.0	2022-Spring
14201112	English for Academic Purposes (B)Spoken Communication	2	B+	3.6	2022-Spring
24100013	Discrete Mathematics(2)	3	A-	4.0	2022-Spring
30240532	Foundation of Object-Oriented Programming	2	B+	3.6	2022-Spring
10680042	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist2	2	P	N/A	2022-Summer
34100232	Practical Training For Programming	2	A	4.0	2022-Summer
00692312	Introduction to Modern Philosophy of Science	2	P	N/A	2022-Autumn
10420252	Introduction to Complex Analysis	2	A+	4.0	2022-Autumn
10420803	Probability and Statistics	3	A	4.0	2022-Autumn
10430494	Physics for Scientists and Engineers B(2)	4	A-	4.0	2022-Autumn
10430801	Lab. of Physics B(1)	1	A-	4.0	2022-Autumn
10610204	Principle of Marxist Philosophy	4	A	4.0	2022-Autumn
10720031	Physical Education(3)	1	P	N/A	2022-Autumn
20250163	Fundamentals of Digital Electronics	3	A	4.0	2022-Autumn
34100373	Data Structure	3	A	4.0	2022-Autumn
00740123	JAVA and Object-Oriented Programming	3	A	4.0	2023-Spring
00783052	Appreciation of Chinese and Foreign Dramas	2	A	4.0	2023-Spring
10430811	Lab. of Physics B(2)	1	A	4.0	2023-Spring
10660012	Fundamentals of Law	2	A	4.0	2023-Spring
10680022	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	2	B+	3.6	2023-Spring
10680032	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist1	2	A-	4.0	2023-Spring
10720041	Physical Education(4)	1	B	3.3	2023-Spring
14205174	Japanese (Second Foreign Language) (1)	4	A	4.0	2023-Spring

Total Credits: 144.0   **GPA:** 3.95   **Date of Graduation:** **********   **Degree Conferred:** *******

Director of Registrar's Office: 刘泳

Official Seal:

Date Printed: September 19, 2024

Page 1 of 2   12875E7DF9573C4C7E65

TSINGHUA UNIVERSITY
ACADEMIC TRANSCRIPT

Student Name Bai Runsheng

Gender Male   **Student No.** 2021011793   **Student Type** Undergraduate   **Date of Admission** September,2021

School/Department School of Software   **Major** Software Engineering

Course Number	Course Title	Credit	Grade	Point	Year-Semester
34100053	Modern Operating System	3	A	4.0	2023-Spring
44100563	Formal Language and Automata	3	A	4.0	2023-Spring
44100582	Introduction to Algorithms	2	A-	4.0	2023-Spring
12090062	Military Skills	2	A-	4.0	2023-Summer
34100152	Practice of Programming	2	A	4.0	2023-Summer
44100343	Web Front-end Technology	3	A	4.0	2023-Summer
10421352	Ordinary Differential Equations	2	A+	4.0	2023-Autumn
10720110	Physical Education(1)	0	B-	3.0	2023-Autumn
44100113	Computer Networks	3	A	4.0	2023-Autumn
44100203	Software Engineering	3	A-	4.0	2023-Autumn
44100573	Computer Organization Principle	3	B+	3.6	2023-Autumn
44100593	Principles of Assembly and Compilation	3	A	4.0	2023-Autumn
44100662	Model Based Software Design	2	A	4.0	2023-Autumn
10720120	Physical Education(2)	0	C+	2.6	2024-Spring
34100173	Principles of Database Systems	3	A-	4.0	2024-Spring
44100102	Introduction to Artificial Intelligence	2	A	4.0	2024-Spring
44100603	Software analysis and verification	3	A	4.0	2024-Spring
44100612	Introduction to Mobile Application Development	2	A-	4.0	2024-Spring
44100622	Performance Optimization for Cloud Services	2	A-	4.0	2024-Spring
44100365	Project Training	5	A-	4.0	2024-Summer

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Total Credits: 144.0   **GPA:** 3.95   **Date of Graduation:** **********   **Degree Conferred:** *******

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KEY TO TRANSCRIPT

I. COURSE NUMBERING SYSTEM

Each course number consists of 8-10 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+		95-100	100
A	4.0		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, 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 Spring 2019, 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

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

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.