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Student Name:	**Yishuo Chen**
(Surname last)	
ID Number:	**1530865**
Month and Day of Birth:	**November 01**

Degrees

Confer Date:	November 23, 2022
Degree:	Bachelor of Science with Specialization
	Mathematics
In the Name of:	Yishuo Chen

September, 2018: Admitted to the Faculty of Science, Bachelor of Science with Specialization program, Computing Science.

September 04, 2018: Granted credit in courses (units) ECON 101 (3.00), MATH 114 (3.00), MATH 125 (3.00), CMPUT 174 (3.00), Computing Science 100-Level Option (3.00), MATH 115 (3.00), Science 100-Level Option (3.00), Mathematics 200-Level Option (3.00) for work completed at University of Ottawa, ON, 2017-2018. Total units 24.00.

Fall Term 2018   **BSc with Specialization**
                      Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
CMPUT	175	INTRO TO FNDTNS OF CMPUT II	A	3.0	3.0	12.00	3.1	77
CMPUT	272	FORMAL SYSTEMS & LOGIC	B	3.0	3.0	9.00	2.7	119
MATH	125	LINEAR ALGEBRA I	B+3	3.0	0.0	9.90	2.7	138
PHYS	124	PARTICLES AND WAVES	F	3.0	0.0	0.00	2.6	170
STAT	151	INTRO TO APPLIED STATISTICS I	B	3.0	3.0	9.00	2.4	190
			TOTALS	15.0	9.0	39.90		

Winter Term 2019   **BSc with Specialization**
                        Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
CMPUT	204	ALGORITHMS I	W	3.0	0.0	0.00	2.9	103
ECON	102	INTRODUCTION TO MACROECONOMICS	B	3.0	3.0	9.00	2.8	393
MATH	214	INTERMEDIATE CALCULUS I	B-	3.0	3.0	8.10	2.4	138
STAT	252	INTRO TO APPLIED STATISTICS II	B	3.0	3.0	9.00	3.5	112
			TOTALS	12.0	9.0	26.10		

GPA: 66.00 grade points / 24.0 units taken = 2.8

Summer Term 2019   **BSc with Specialization**
                                              Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
ENGL	103	CASE STUDIES IN RESEARCH	C+	3.0	3.0	6.90	2.9	26
		Shaping History						
			TOTALS	3.0	3.0	6.90		

GPA: 6.90 grade points / 3.0 units taken = 2.3

Fall Term 2019   **BSc with Specialization**
                                              Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
CMPUT	201	PRACTICAL PROG METHODOLOGY	W	3.0	0.0	0.00	2.9	106
CMPUT	204	ALGORITHMS I	B+	3.0	3.0	9.90	2.8	98
MATH	225	LINEAR ALGEBRA II	B	3.0	3.0	9.00	2.5	110
MATH	241	GEOMETRY	A	3.0	3.0	12.00	3.1	64
			TOTALS	12.0	9.0	30.90		

In response to the disruption caused by the global COVID-19 pandemic, the University of Alberta
adopted mandatory Credit/No Credit grades for the Winter 2020 term. This was applied universally
with no option for letter grades. Students, with grades of CR have met the requirements of the
course, whereas students with NC have not. In either instance, these grades do not contribute to
a GPA calculation. If a letter grade is present for the Winter 2020 term, it was approved prior to
the change.

Winter Term 2020   **BSc with Specialization**
                                              Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
CMPUT	201	PRACTICAL PROG METHODOLOGY	CR	3.0	3.0	0.00	XXX	93
CMPUT	291	FILE AND DATABASE MANAGEMENT	CR	3.0	3.0	0.00	XXX	119
ECON	281	INTERMED MICROECON THEORY I	CR	3.0	3.0	0.00	XXX	57
MATH	215	INTERMEDIATE CALCULUS II	CR	3.0	3.0	0.00	XXX	147
			TOTALS	12.0	12.0	0.00		

GPA: 30.90 grade points / 9.0 units taken = 3.4

Spring Term 2020   **BSc with Specialization**
                                              Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
WRS	102	WRITING IN THE DISCIPLINES	W	3.0	0.0	0.00	2.9	47
			TOTALS	3.0	0.0	0.00		

June 01, 2020: Withdrew

Summer Term 2020   **BSc with Specialization**
                                              Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
ECON	282	INTERMEDIATE MACRO THEORY I	B+	3.0	3.0	9.90	3.1	60
			TOTALS	3.0	3.0	9.90		

GPA: 9.90 grade points / 3.0 units taken = 3.3

Fall Term 2020   **BSc with Specialization**
                                           Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
MATH	253	THEORY OF INTEREST	B-	3.0	3.0	8.10	3.6	125
MATH	311	THEORY OF FUNCTNS COMPLEX VAR	B-	3.0	3.0	8.10	2.9	140
STAT	265	STATISTICS I	C	3.0	3.0	6.00	2.3	165
			TOTALS	9.0	9.0	22.20		

Winter Term 2021   **BSc with Specialization**
                                         Computing Science

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
LING	101	INTRO TO LINGUISTIC ANALYSIS	A	3.0	3.0	12.00	2.7	66
MATH	216	INTRODUCTION TO ANALYSIS	B-	3.0	3.0	8.10	1.9	113
MATH	334	INTRO DIFFERENTIAL EQUATIONS	B+	3.0	3.0	9.90	2.8	127
			TOTALS	9.0	9.0	30.00		

GPA: 52.20 grade points / 18.0 units taken = 2.9

September, 2021: Admitted to the Faculty of Science, Bachelor of Science with Specialization program, Mathematics.

September 01, 2021: Granted credit in courses (units) ECON 101 (3.00), MATH 114 (3.00), MATH 125 (3.00), CMPUT 174 (3.00), Computing Science 100-Level Option (3.00), MATH 115 (3.00), Science 100-Level Option (3.00), Mathematics 200-Level Option (3.00) for work completed at University of Ottawa, ON, 2017-2018. Total units 24.00.

September 01, 2021: Granted credit in courses (units) Arts 200-Level Option (3.00), HIST 251 (3.00), HIST 250 (3.00) for work completed at Nankai University, China, 2021. Total units 9.00.

September 01, 2021: Granted credit in all courses successfully completed at this University, 2018-2021, with the exception of MATH 125. Total units: 63.00.

Fall Term 2021   **BSc with Specialization**
                                         Mathematics

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
LING	204	SYNTAX WORLD LANG	A	3.0	3.0	12.00	3.3	67
MATH	432	INTER DIFF EQUATION	A	3.0	3.0	12.00	3.0	108
			TOTALS	6.0	6.0	24.00		

Winter Term 2022   **BSc with Specialization**
                                         Mathematics

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
EAS	201	EARTH SCIENCE I	B+	3.0	3.0	9.90	2.7	175
MATH	228	ALGEBRA: INTRO RING THEORY	A	3.0	3.0	12.00	3.1	97
MATH	337	INTRO PARTIAL DIFF EQUATIONS	B-	3.0	3.0	8.10	2.6	67
			TOTALS	9.0	9.0	30.00		

GPA: 54.00 grade points / 15.0 units taken = 3.6

Summer Term 2022   **BSc with Specialization**
                                         Mathematics

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
ENGL	102	INTRO TO CRITICAL ANALYSIS	B-	3.0	3.0	8.10	2.8	36

Course		Description	Grade Remark	Units Taken	Units Passed	Grade Points	Class Avg	Class Enrl
NS	201	INDGNOUS | CDA: LOOK FWRD/BCK	B-	3.0	3.0	8.10	3.6	189
			TOTALS	6.0	6.0	16.20		

GPA: 16.20 grade points / 6.0 units taken = 2.7

September 01, 2022: Granted credit in courses (units) MATH 324 (3.00) for work completed at Southwestern Univ of Finance and Economics, China, 2022. Total units 3.00.

End of Transcript

Accreditation: The University of Alberta is a member of the Association of Universities and Colleges of Canada and the Association of Commonwealth Universities.

Academic Terms: Effective September 1999, all periods of study at the University of Alberta are represented by terms. There are four academic terms—Fall, Winter, Spring and Summer. The Fall and Winter Terms are 13 weeks long plus examination time. The Spring and Summer terms are six weeks long including examination time.

Course Information: Course units are assigned for the purpose of calculating a weighted (grade point) average. Normally, full courses consist of 6.0 units, include three hours of lectures per week, and are offered over two terms. A full course is represented on the transcript as two sections of the same course—section A and B. Section A of a full course is awarded a grade of IP. No weight is assigned to this section. A final grade, the corresponding weight and grade point value

are assigned to section B of the course. Half courses normally consist of 3.0 units and include three hours of instruction per week. Engineering courses have units assigned to them based on hours of instruction and may deviate from the norm.

Grade Point Average (GPA): The Grade Point Average (GPA) is a measure of a student's weighted average, obtained by dividing the total number of grade points earned by the total units of course weight attempted. Courses graded using grades of CR or NC, or from which students have withdrawn or have audited, are not calculated into the GPA. For more information, see the *University Calendar*.

Re-registration Policy: The university's re-registration policy, effective September 1988, does not normally allow students to repeat courses already passed or for which transfer credit has been granted. For more information, see the *University Calendar*.

The Letter Grading System (effective September 2003)

Course Grades Obtained by Undergraduate Students

Descriptor	Letter Grade	Grade Point Value
	A+	4.0
Excellent	A	4.0
	A-	3.7
	B+	3.3
Good	B	3.0
	B-	2.7
	C+	2.3
Satisfactory	C	2.0
	C-	1.7
Poor	D+	1.3
Minimal Pass	D	1.0
Failure	F	0.0

Course Grades Obtained by Graduate Students

Descriptor	Letter Grade	Grade Point Value
	A+	4.0
Excellent	A	4.0
	A-	3.7
	B+	3.3
Good	B	3.0
	B-	2.7
Satisfactory	C+	2.3
	C	2.0
	C-	1.7
Failure	D+	1.3
	D	1.0
	F	0.0

The 9-Point Grading System (before September 2003)

Course Grades Obtained by Undergraduate Students

	9	Outstanding
	8	Excellent
	7	Very Good
	6	Good
	5	Satisfactory
Pass	4	Minimally acceptable
Fail	3	Unsatisfactory
	2	
	1	

Course Grades Obtained by Graduate Students

	9	Excellent
	8	
	7	Good
Pass	6	Satisfactory
Fail	5	
	4	
	3	Unsatisfactory
	2	
	1	

Note: Effective September 1986, a grade of 3 is a failing grade for undergraduate students. Before September 1986, credit might be conceded by a Faculty for a grade of 3 in an individual course if warranted by a student's overall record.

Effective July 1989, a grade of 5 is a failing grade for graduate students. Before July 1989, credit might be conceded by the Faculty of Graduate Studies and Research for a grade of 4 or 5 in an individual course if warranted by a student's overall record.

Other Final Grades

AE	aegrotat standing
AU	registered as an auditor
AW	registered as an auditor and withdrew
CR	completed requirements; no grade point value assigned
EX	exempt
IN	incomplete
IP	course in progress
IP*	withdrew from or failed course in progress
NC	failure, no grade point value assigned
W	withdrew with permission

Remarks

1. grade includes a mark of '0' for final examination missed, or for term work missed, or both
2. grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted
3. credit withheld
4. reexamination granted
5. failure (assigned to failing Graduate Student grades only)
6. failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both (assigned to failing Graduate Student grades only)
7. failure, grade includes a mark of '0' for final examination missed, or for term work missed, or both, and deferred final examination granted (assigned to failing Graduate Student grades only)
8. disciplinary sanction for serious instances of inappropriate academic behavior
9. failure, disciplinary sanction for serious instances of inappropriate academic behavior (assigned in the same circumstances as the remark of 8 but to failing Graduate Student grades only)

Other Final Grades

AB	absent from final examination
ABF	absent from final examination, failed, results in a grade of 1
AE	aegrotat standing
AU	registered as an auditor
AW	registered as an auditor and withdrew
CR	completed requirements; no numeric grade assigned
DB	debarred from final exam
DW	did not write
EX	exempt
F	failure; no numeric grade assigned
H	pass with honors standing
IN	incomplete
INF	incomplete, failed
IP	course in progress
IP*	withdrew from or failed course in progress
RC	registration cancelled
W	withdrew with permission
WF	withdrew failing, results in a grade of 1

Remarks

A	indicates missed final examination, term work missed, or both
B	grade includes '0' for missed term work and final examination
C	credit conceded
D	granted a deferred final examination
F	failure
FI	failed, inappropriate academic behavior
N	credit withheld
R	granted a reexamination
S	failure, supplemental granted
X	student failed to complete a significant part of term work