Undergraduate Unofficial Transcript

Name: **Zhang, Zhehai**
Student ID: **20883582**
Ontario Education Nbr: 790187553

Beginning of Undergraduate Record

Fall 2020

Program: Computer Science, Honours, Co-operative Program
Level: 1A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	145	Designing Functional Programs (Advanced Level)	0.50	0.50	90
ENGL	109	Introduction to Academic Writing	0.50	0.50	85
MATH	135	Algebra for Honours Mathematics	0.50	0.50	98
MATH	137	Calculus 1 for Honours Mathematics	0.50	0.50	90
MTHEL	199	Special Topics	0.25	0.25	CR
Course Topic:		First year readiness			
PHYS	121	Mechanics	0.50	0.50	93
			In GPA	Earned	
Term GPA		91.20 Term Totals	2.75	2.75	
Cumulative GPA		91.20 Cumulative Totals	2.50	2.75	

Faculty Average: 92.67 Computer Science, Honours, Co-operative Program
Academic Standing: Excellent Standing Effective 01/21/2021
Term Honours: Term Distinction

Winter 2021

Program: Computer Science, Honours, Co-operative Program
                Digital Hardware Specialization
Level: 1B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	146	Elementary Algorithm Design and Data Abstraction (Advanced Level)	0.50	0.50	93
ECE	124	Digital Circuits and Systems	0.50	0.50	97
ECON	101	Introduction to Microeconomics	0.50	0.50	99
GENE	123	Electrical Circuits and Instrumentation	0.50	0.50	96
MATH	136	Linear Algebra 1 for Honours Mathematics	0.50	0.50	90
MATH	138	Calculus 2 for Honours Mathematics	0.50	0.50	98
			In GPA	Earned	
Term GPA		95.50 Term Totals	3.00	3.00	
Cumulative GPA		93.54 Cumulative Totals	5.50	5.75	

Faculty Average: 93.17 Computer Science, Honours, Co-operative Program
Academic Standing: Excellent Standing Effective 05/19/2021
Term Honours: Term Distinction

Spring 2021

Program: Computer Science, Honours, Co-operative Program
                Digital Hardware Specialization
Level: 2A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	245	Logic and Computation	0.50	0.50	94
CS	246	Object-Oriented Software Development	0.50	0.50	98
MATH	239	Introduction to Combinatorics	0.50	0.50	88
PD	1	Career Fundamentals	0.50	0.00	CR
SPCOM	225	Interviewing	0.50	0.50	94
STAT	230	Probability	0.50	0.50	94
			In GPA	Earned	
Term GPA		93.60 Term Totals	3.00	2.50	
Cumulative GPA		93.56 Cumulative Totals	8.00	8.25	

Major Average: 95.00 Computer Science, Honours, Co-operative Program
Faculty Average: 93.30 Computer Science, Honours, Co-operative Program
Academic Standing: Excellent Standing Effective 09/14/2021
Term Honours: Term Distinction

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Fall 2021

Program: Computer Science, Honours, Co-operative Program
Digital Hardware Specialization
Level: 2B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	1	Co-operative Work Term	0.50	0.00	CR
PD	11	Processes for Technical Report Writing	0.50	0.00	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.00	
Cumulative GPA		93.56 Cumulative Totals	8.00	8.25	
Major Average:		95.00 Computer Science, Honours, Co-operative Program			
Faculty Average:		93.30 Computer Science, Honours, Co-operative Program			

Winter 2022

Program: Computer Science, Honours, Co-operative Program
Digital Hardware Specialization
Level: 2B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	240	Data Structures and Data Management	0.50	0.50	88
CS	241	Foundations of Sequential Programs	0.50	0.50	83
ECE	222	Digital Computers	0.50	0.50	83
JAPAN	101R	First-Year Japanese 1	0.50	0.50	71
STAT	231	Statistics	0.50	0.50	91
			In GPA	Earned	
Term GPA		83.20 Term Totals	2.50	2.50	
Cumulative GPA		91.10 Cumulative Totals	10.50	10.75	
Major Average:		89.83 Computer Science, Honours, Co-operative Program			
Faculty Average:		91.92 Computer Science, Honours, Co-operative Program			

Academic Standing: Excellent Standing Effective 05/19/2022
May 19/22 - DEF to ECXL as a result of grade revision CS 241

Spring 2022

Program: Computer Science, Honours, Co-operative Program
Digital Hardware Specialization
Level: 3A   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	2	Co-operative Work Term	0.50	0.00	CR
PD	10	Professional Responsibility in Computing	0.50	0.00	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.00	
Cumulative GPA		91.10 Cumulative Totals	10.50	10.75	
Major Average:		89.83 Computer Science, Honours, Co-operative Program			
Faculty Average:		91.92 Computer Science, Honours, Co-operative Program			

Fall 2022

Program: Computer Science, Honours, Co-operative Program
Digital Hardware Specialization
Level: 3A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	341	Algorithms	0.50	0.50	83
CS	349	User Interfaces	0.50	0.50	93
CS	350	Operating Systems	0.50	0.50	83
EARTH	121	Introductory Earth Sciences	0.50	0.50	78
ECE	224	Embedded Microprocessor Systems	0.50	0.50	84
			In GPA	Earned	
Term GPA		84.20 Term Totals	2.50	2.50	
Cumulative GPA		89.77 Cumulative Totals	13.00	13.25	
Major Average:		88.67 Computer Science, Honours, Co-operative Program			
Faculty Average:		90.88 Computer Science, Honours, Co-operative Program			

Academic Standing: Excellent Standing Effective 01/19/2023
Term Honours: Term Distinction

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Winter 2023

Program: Computer Science, Honours, Co-operative Program
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Level: 3B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	3	Co-operative Work Term	0.50	0.00	CR
PD	8	Intercultural Skills	0.50	0.00	CR
			In GPA	Earned	
Term GPA	0.00	Term Totals	1.00	0.00	
Cumulative GPA	89.77	Cumulative Totals	13.00	13.25	
Major Average:	88.67	Computer Science, Honours, Co-operative Program			
Faculty Average:	90.88	Computer Science, Honours, Co-operative Program			

Spring 2023

Program: Computer Science, Honours, Co-operative Program
          Digital Hardware Specialization
Level: 3B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	4	Co-operative Work Term			
PD	13	Research in the Workplace			

Fall 2023

Program: Computer Science, Honours, Co-operative Program
          Digital Hardware Specialization
Level: 3B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	348	Introduction to Database Management			
CS	370	Numerical Computation			
CS	456	Computer Networks			
CS	480	Introduction to Machine Learning			
CS	486	Introduction to Artificial Intelligence			
PSYCH	101	Introductory Psychology			

Milestones

Date Completed	Description	Status
12/31/2020	Undergraduate Communication Requirement - Part 1	Completed
08/31/2021	Undergraduate Communication Requirement	Completed
12/31/2021	Work Report 1	Completed
12/31/2021	Work Term 1	Completed
08/31/2022	Work Term 2	Completed
04/30/2023	Work Term 3	Completed

Scholarships and Awards

2021	University of Waterloo President's Scholarship of Distinction
2021	Kenneth D. Fryer Scholarship
2022	Kenneth D. Fryer Scholarship
2023	Kenneth D. Fryer Scholarship
2024	President's International Experience Award
2024	Kenneth D. Fryer Scholarship

End of Undergraduate Unofficial Transcript