University of Waterloo
200 University Ave. West
Waterloo Ontario Canada N2L3G1

Undergraduate Unofficial Transcript

Name: Zhang, Raymond
Student ID: 20897243
Ontario Education Nbr: 100434158

Beginning of Undergraduate Record

Fall 2020

Program: Software Engineering, Honours, Co-operative Program
Level: 1A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	137	Programming Principles	0.50	0.50	99
ECE	105	Classical Mechanics	0.50	0.50	91
MATH	115	Linear Algebra for Engineering	0.50	0.50	96
MATH	117	Calculus 1 for Engineering	0.50	0.50	99
MATH	135	Algebra for Honours Mathematics	0.50	0.50	96
MTHEL	199	Special Topics	0.25	0.25	CR
Course Topic:		First year readiness			
SE	101	Introduction to Methods of Software Engineering	0.25	0.25	95
			In GPA	Earned	
Term GPA		96.09 Term Totals	3.00	3.00	
Cumulative GPA		96.09 Cumulative Totals	2.75	3.00	

Academic Standing: Excellent Standing Effective 01/21/2021
Term Honours: Term Dean's Honours List

Winter 2021

Program: Software Engineering, Honours, Co-operative Program
Level: 1B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	138	Introduction to Data Abstraction and Implementation	0.50	0.50	96
ECE	106	Electricity and Magnetism	0.50	0.50	95
ECE	124	Digital Circuits and Systems	0.50	0.50	94
ECE	140	Linear Circuits	0.50	0.50	100
MATH	119	Calculus 2 for Engineering	0.50	0.50	97
			In GPA	Earned	
Term GPA		96.40 Term Totals	2.50	2.50	
Cumulative GPA		96.24 Cumulative Totals	5.25	5.50	

Academic Standing: Excellent Standing Effective 05/19/2021
Term Honours: Term Dean's Honours List

Spring 2021

Program: Software Engineering, Honours, Co-operative Program
Level: 1B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	1	Co-operative Work Term	0.50	0.00	CR
PD	19	Tactics for Workplace Success	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		96.24 Cumulative Totals	5.25	6.00	

Fall 2021

Program: Software Engineering, Honours, Co-operative Program
Level: 2A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CHE	102	Chemistry for Engineers	0.50	0.50	96
CS	241E	Foundations of Sequential Programs (Enriched)	0.50	0.50	99
ECE	222	Digital Computers	0.50	0.50	80
SE	212	Logic and Computation	0.50	0.50	87
SPCOM	223	Public Speaking	0.50	0.50	87
STAT	206	Statistics for Software Engineering	0.50	0.50	96
			In GPA	Earned	
Term GPA		90.83 Term Totals	3.00	3.00	
Cumulative GPA		94.27 Cumulative Totals	8.25	9.00	

Academic Standing: Excellent Standing Effective 01/20/2022
Term Honours: Term Distinction

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Winter 2022

Program: Software Engineering, Honours, Co-operative Program
Level: 2A   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	2	Co-operative Work Term	0.50	0.00	CR
PD	20	Engineering Workplace Skills I: Developing Reasoned Conclusions	0.50	0.50	CR

			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		94.27 Cumulative Totals	8.25	9.50	

Spring 2022

Program: Software Engineering, Honours, Co-operative Program
Level: 2B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	240	Data Structures and Data Management	0.50	0.50	91
CS	247	Software Engineering Principles	0.50	0.50	96
CS	348	Introduction to Database Management	0.50	0.50	94
ECE	192	Engineering Economics and Impact on Society	0.25	0.25	100
MATH	239	Introduction to Combinatorics	0.50	0.50	98
STV	205	Cybernetics and Society	0.50	0.50	91
WKRPT	200	Work-term Report	0.13	0.13	89
		Degree Requirement, Not in Average			

			In GPA	Earned	
Term GPA		94.54 Term Totals	2.88	2.88	
Cumulative GPA		94.34 Cumulative Totals	11.00	12.38	

Academic Standing: Excellent Standing Effective 09/13/2022
Term Honours: Term Dean's Honours List

Fall 2022

Program: Software Engineering, Honours, Co-operative Program
Level: 2B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	3	Co-operative Work Term	0.50	0.00	CR
PD	10	Professional Responsibility in Computing	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		94.34 Cumulative Totals	11.00	12.88	

Winter 2023

Program: Software Engineering, Honours, Co-operative Program
Level: 3A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	341	Algorithms			
CS	349	User Interfaces			
CS	492	The Social Implications of Computing			
MATH	213	Signals, Systems, and Differential Equations			
SE	350	Operating Systems			
SE	465	Software Testing and Quality Assurance			

Milestones

Date Completed	Description	Status
01/18/2021	Workplace Hazardous Materials Information System	Completed
08/31/2021	Work Term 1	Completed
12/31/2021	Undergraduate Communication Requirement	Completed
04/30/2022	Work Term 2	Completed
08/31/2022	Work Report 2	Completed
12/31/2022	Work Term 3	Completed

Scholarships and Awards

2021   University of Waterloo President's Scholarship of Distinction

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End of Undergraduate Unofficial Transcript