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

Undergraduate Unofficial Transcript

Name: **Zhang, Edwin Antong**
Student ID: **20718692**
Ontario Education Nbr: **932368640**

Beginning of Undergraduate Record

Fall 2017

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

Course		Description	Attempted	Earned	Grade
CS	137	Programming Principles	0.50	0.50	86
ECE	105	Classical Mechanics	0.50	0.50	75
MATH	115	Linear Algebra for Engineering	0.50	0.50	90
MATH	117	Calculus 1 for Engineering	0.50	0.50	93
MATH	135	Algebra for Honours Mathematics	0.50	0.50	87
SE	101	Introduction to Methods of Software Engineering	0.25	0.25	98
			In GPA	Earned	
Term GPA		87.27 Term Totals	2.75	2.75	
Cumulative GPA		87.27 Cumulative Totals	2.75	2.75	

Academic Standing: Excellent standing Effective 12/31/2017
CS 137=CS 135,ECE 105=PHYS 121, MATH 115=MATH 136, MATH 117=MATH 137
Term Honours: Term Dean's Honours List

Winter 2018

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

Course		Description	Attempted	Earned	Grade
CS	138	Introduction to Data Abstraction and Implementation	0.50	0.50	89
ECE	106	Electricity and Magnetism	0.50	0.50	72
ECE	124	Digital Circuits and Systems	0.50	0.50	84
ECE	140	Linear Circuits	0.50	0.50	75
MATH	119	Calculus 2 for Engineering	0.50	0.50	87
			In GPA	Earned	
Term GPA		81.40 Term Totals	2.50	2.50	
Cumulative GPA		84.48 Cumulative Totals	5.25	5.25	

Academic Standing: Excellent standing Effective 05/18/2018
CS 138=CS 136, ECE 106=PHYS 122, MATH 119=MATH 138

Spring 2018

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

Course		Description	Attempted	Earned	Grade
COOP	1	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		84.48 Cumulative Totals	5.25	5.75	

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Fall 2018
Program: Software Engineering, Honours, Co-operative Program
Level: 2A   Load: Full-Time   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CHE	102	Chemistry for Engineers	0.50	0.50	84
CS	241E	Foundations of Sequential Programs (Enriched)	0.50	0.50	78
ECE	222	Digital Computers	0.50	0.50	89
SE	212	Logic and Computation	0.50	0.50	73
SMF	213	Sexual Health and Well-Being	0.50	0.50	83
		Degree Requirement, Not in Average			
SPCOM	223	Public Speaking	0.50	0.50	85
STAT	206	Statistics for Software Engineering	0.50	0.50	86
			In GPA	Earned	
Term GPA		82.50 Term Totals	3.50	3.50	
Cumulative GPA		83.76 Cumulative Totals	8.25	9.25	

Academic Standing: Excellent standing Effective 01/18/2019
CHE 102 =CHEM 120, ECE 222=CS 251, SE 212=CS 245, STAT 206=STAT 231

Winter 2019
Program: Software Engineering, Honours, Co-operative Program
Level: 2A   Load: Part-Time   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	2	Co-operative Work Term	0.50	0.00	CR
PD	21	Engineering Workplace Skills II: Developing Effective Plans	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		83.76 Cumulative Totals	8.25	9.75	

Spring 2019
Program: Software Engineering, Honours, Co-operative Program
Level: 2B   Load: Full-Time   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	240	Data Structures and Data Management	0.50	0.50	85
CS	247	Software Engineering Principles	0.50	0.50	89
EARTH	121	Introductory Earth Sciences	0.50	0.50	83
		Degree Requirement, Not in Average			
ECE	358	Computer Networks	0.50	0.50	80
MATH	239	Introduction to Combinatorics	0.50	0.50	74
MSCI	261	Engineering Economics: Financial Management for Engineers	0.50	0.50	87
WKRPT	200	Work-term Report	0.13	0.13	95
		Degree Requirement, Not in Average			
			In GPA	Earned	
Term GPA		83.00 Term Totals	3.13	3.13	
Cumulative GPA		83.58 Cumulative Totals	10.75	12.88	

Academic Standing: Excellent standing Effective 09/18/2019
SE 101 + COOP1 = PD1, PD20 + WKRPT 200 = PD11, PD21 = PDx, PD10=PD10 Student requires PDx in CS. CS 247=CS 246, MSCI 261=AFM 121

Fall 2019
Program: Software Engineering, Honours, Co-operative Program
Level: 2B   Load: Part-Time   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		83.58 Cumulative Totals	10.75	13.38	

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Winter 2020

Program: Computer Science, Honours
Level: 3B   Load: Full-Time   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CS	341	Algorithms			
CS	350	Operating Systems			
CS	370	Numerical Computation			
PHIL	256	Introduction to Cognitive Science			
SYDE	552	Computational Neuroscience			

Milestones

Date Completed	Description	Status
09/18/2017	Workplace Hazardous Materials	Completed
08/30/2018	Work Term 1	Completed
12/31/2018	Undergraduate Communication Requirement	Completed
12/31/2018	Work Report 2	Completed
04/30/2019	Work Term 2	Completed
12/31/2019	Work Term 3	Completed

Scholarships and Awards

2018   University of Waterloo President's Scholarship

End of Undergraduate Unofficial Transcript