

## 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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
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
			<u>In GPA</u>	<u>Earned</u>	
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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
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
			<u>In GPA</u>	<u>Earned</u>	
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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
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
			<u>In GPA</u>	<u>Earned</u>	
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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
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
		<i>Degree Requirement, Not in Average</i>			
SPCOM	223	Public Speaking	0.50	0.50	85
STAT	206	Statistics for Software Engineering	0.50	0.50	86
			<u>In GPA</u>	<u>Earned</u>	
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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
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
			<u>In GPA</u>	<u>Earned</u>	
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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
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
		<i>Degree Requirement, Not in Average</i>			
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
		<i>Degree Requirement, Not in Average</i>			
			<u>In GPA</u>	<u>Earned</u>	
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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	3	Co-operative Work Term	0.50	0.00	CR
PD	10	Professional Responsibility in Computing	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		83.58 Cumulative Totals	10.75	13.38	

## Undergraduate Unofficial Transcript

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### Winter 2020

**Program:** Computer Science, Honours  
**Level:** 4A **Load:** Full-Time

**Form Of Study:** Enrolment

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

### Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
09/18/2017	Workplace Hazardous Materials	Completed
08/30/2018	Work Term 1	Completed
12/31/2018	Work Report 2	Completed
04/30/2019	Work Term 2	Completed
12/31/2019	Undergraduate Communication Requirement - Part 1	Completed
12/31/2019	Work Term 3	Completed
	Undergraduate Communication Requirement	Not Completed

### Scholarships and Awards

2018 University of Waterloo President's Scholarship

### Transfer Credits

Transfer Credit from IB-Western Canada High School  
Applied Toward Computer Science H Program

<u>Course</u>	<u>Nbr</u>	<u>Description</u>	<u>Earned</u>
CHEM	123	Chem Reac,Equilibria,Kinetics	0.50
CHEM	123L	Chemical Reactions Lab 2	0.25
MATH	1XX	MATH Transfer Credit	0.50

**End of Undergraduate Unofficial Transcript**