

## Undergraduate Unofficial Transcript

**Name:** Yang, Matthew  
**Student ID:** 20844825  
**Ontario Education Nbr:** 884813148

### Beginning of Undergraduate Record

#### Fall 2019

Program: Computer Science, 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	145	Designing Functional Programs (Advanced Level)	0.50	0.50	92
FR	151	Basic French 1	0.50	0.50	91
MATH	145	Algebra (Advanced Level)	0.50	0.50	90
MATH	147	Calculus 1 (Advanced Level)	0.50	0.50	98
SPCOM	100	Interpersonal Communication	0.50	0.50	88
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		91.80 Term Totals	2.50	2.50	
Cumulative GPA		91.80 Cumulative Totals	2.50	4.00	
Faculty Average:		93.33 Computer Science, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 01/21/2020				
Term Honours:	Term Dean's Honours List				

#### Winter 2020

Program: Computer Science, Honours, Co-operative Program  
Level: 2A Load: Full-Time Form Of Study: Enrolment

COVID-19 impacted assessment methods and performance in many courses this term.

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CS	146	Elementary Algorithm Design and Data Abstraction (Advanced Level)	0.50	0.50	96
MATH	146	Linear Algebra 1 (Advanced level)	0.50	0.50	98
MATH	148	Calculus 2 (Advanced Level)	0.50	0.50	89
MATH	249	Introduction to Combinatorics (Advanced Level)	0.50	0.50	95
PD	1	Career Fundamentals	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		94.50 Term Totals	2.50	2.00	
Cumulative GPA		93.00 Cumulative Totals	4.50	6.00	
Faculty Average:		94.00 Computer Science, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 05/27/2020				
Term Honours:	Term Distinction				

#### Spring 2020

Program: Computer Science, 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	1	Co-operative Work Term	0.50	0.00	CR
MATH	245	Linear Algebra 2 (Advanced Level)	0.50	0.50	99
PD	11	Processes for Technical Report Writing	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		99.00 Term Totals	1.50	0.50	
Cumulative GPA		93.60 Cumulative Totals	5.00	6.50	
Faculty Average:		94.62 Computer Science, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 09/15/2020				
Term Honours:	Term Distinction				

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### Fall 2020

Program: Computer Science, 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>
CS	245E	Logic and Computation (Enriched)	0.50	0.50	100
CS	246	Object-Oriented Software Development	0.50	0.50	92
ECON	101	Introduction to Microeconomics	0.50	0.50	98
PMATH	347	Groups and Rings	0.50	0.50	96
STAT	240	Probability (Advanced Level)	0.50	0.50	93
			<u>In GPA</u>	<u>Earned</u>	
Term GPA	95.80	Term Totals	2.50	2.50	
Cumulative GPA	94.33	Cumulative Totals	7.50	9.00	
Major Average:	96.00	Computer Science, Honours, Co-operative Program			
Faculty Average:	94.83	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  
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	2	Co-operative Work Term	0.50	0.00	CR
PD	10	Professional Responsibility in Computing	0.50	0.00	CR
STAT	241	Statistics (Advanced Level)	0.50	0.50	98
WKRPT	200M	Work-term Report	0.13	0.13	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA	98.00	Term Totals	1.63	0.63	
Cumulative GPA	94.56	Cumulative Totals	8.00	9.63	
Major Average:	96.00	Computer Science, Honours, Co-operative Program			
Faculty Average:	95.08	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  
Level: 3A 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	92
CS	241	Foundations of Sequential Programs	0.50	0.50	100
CS	251	Computer Organization and Design	0.50	0.50	82
			<u>In GPA</u>	<u>Earned</u>	
Term GPA	91.33	Term Totals	1.50	1.50	
Cumulative GPA	94.05	Cumulative Totals	9.50	11.13	
Major Average:	93.67	Computer Science, Honours, Co-operative Program			
Faculty Average:	94.38	Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 09/14/2021					
Term Honours: Term Distinction					

### Fall 2021

Program: Computer Science, Honours, Co-operative Program  
Level: 3A 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	6	Problem Solving	0.50	0.00	CR
WKRPT	300M	Work-term Report	0.13	0.13	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA	0.00	Term Totals	1.13	0.13	
Cumulative GPA	94.05	Cumulative Totals	9.50	11.26	
Major Average:	93.67	Computer Science, Honours, Co-operative Program			
Faculty Average:	94.38	Computer Science, Honours, Co-operative Program			

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### Winter 2022

Program: Computer Science, Honours  
Level: 3A 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	0.50	0.50	98
CS	350	Operating Systems	0.50	0.50	99
MATH	237	Calculus 3 for Honours Mathematics	0.50	0.50	86
SPCOM	227	Leadership	0.50	0.50	88
STAT	331	Applied Linear Models	0.50	0.50	88
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		91.80 Term Totals	2.50	2.50	
Cumulative GPA		93.58 Cumulative Totals	12.00	13.76	
Major Average:		94.88 Computer Science, Honours			
Faculty Average:		94.05 Computer Science, Honours			
Academic Standing:		Excellent Standing Effective 05/19/2022			
Term Honours:		Term Distinction			

### Spring 2022

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CS	480	Introduction to Machine Learning	0.50	0.50	92
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		92.00 Term Totals	0.50	0.50	
Cumulative GPA		93.52 Cumulative Totals	12.50	14.26	
Major Average:		94.56 Computer Science, Honours			
Faculty Average:		93.95 Computer Science, Honours			
Academic Standing:		Excellent Standing Effective 09/13/2022			
Term Honours:		Term Distinction			

### Fall 2022

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CS	348	Introduction to Database Management	0.50	0.50	93
STAT	330	Mathematical Statistics	0.50	0.50	96
STAT	341	Computational Statistics and Data Analysis	0.50	0.50	94
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		94.33 Term Totals	1.50	1.50	
Cumulative GPA		93.61 Cumulative Totals	14.00	15.76	

### Winter 2023

Program: Computer Science, Honours  
Level: 4A Load: Full-Time Form Of Study: Study Abroad

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
MATH	97	Study Abroad			

### Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
12/31/2019	Undergraduate Communication Requirement - Part 1	Completed
08/31/2020	Work Report 1	Completed
08/31/2020	Work Term 1	Completed
04/30/2021	Work Report 2	Completed
04/30/2021	Work Term 2	Completed
12/31/2021	Work Report 3	Completed
12/31/2021	Work Term 3	Completed
04/30/2022	Undergraduate Communication Requirement	Completed

### Scholarships and Awards

2020	University of Waterloo President's Scholarship of Distinction
2020	Kenneth D. Fryer Scholarship
2020	Faculty of Mathematics Promissory Scholarship

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2021 Kenneth D. Fryer Scholarship  
2022 Kenneth D. Fryer Scholarship  
2023 Kenneth D. Fryer Scholarship

### Transfer Credits

Transfer Credit from IB - White Oaks Secondary School  
Applied Toward Computer Science HC Program

<u>Course</u>	<u>Nbr</u>	<u>Description</u>	<u>Earned</u>
BIOL	130L	Cell Biology Lab	0.25
BIOL	239	Genetics	0.50

Transfer Credit from AP - MacLachlan College  
Applied Toward Computer Science HC Program

<u>Course</u>	<u>Nbr</u>	<u>Description</u>	<u>Earned</u>
PHYS	111	Physics 1	0.50
PHYS	111L	Physics 1 Lab	0.25

**End of Undergraduate Unofficial Transcript**