

## Undergraduate Unofficial Transcript

**Name:** Opal, Anuj  
**Student ID:** 20613132  
**Ontario Education Nbr:** 595575994

### Beginning of Undergraduate Record

#### Fall 2015

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

Course	Description	Attempted	Earned	Grade
CS 135	Designing Functional Programs	0.50	0.50	87
ENGL 109	Introduction to Academic Writing	0.50	0.50	90
MATH 135	Algebra for Honours Mathematics	0.50	0.50	82
MATH 137	Calculus 1 for Honours Mathematics	0.50	0.50	83
PHYS 121	Mechanics	0.50	0.50	85
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	85.40 Term Totals	2.50	2.50	
Cumulative GPA	85.40 Cumulative Totals	2.50	2.50	
Faculty Average:	84.00 Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 12/31/2015				

#### Winter 2016

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

Course	Description	Attempted	Earned	Grade
CS 136	Elementary Algorithm Design and Data Abstraction	0.50	0.50	80
ENGL 101A	Introduction to Literary Studies	0.50	0.50	79
MATH 136	Linear Algebra 1 for Honours Mathematics	0.50	0.50	78
MATH 138	Calculus 2 For Honours Mathematics	0.50	0.50	76
PD 1	Co-op Fundamentals	0.50	0.00	CR
PHYS 175	Introduction to the Universe	0.50	0.50	74
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	77.40 Term Totals	3.00	2.50	
Cumulative GPA	81.40 Cumulative Totals	5.00	5.00	
Faculty Average:	81.00 Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 04/30/2016				

#### Spring 2016

Program: Computer Science, Honours, Co-operative Program  
 Level: 2A 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 2	Critical Reflection and Report Writing	0.50	0.00	CR
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	0.00 Term Totals	1.00	0.00	
Cumulative GPA	81.40 Cumulative Totals	5.00	5.00	

#### Fall 2016

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

Course	Description	Attempted	Earned	Grade
CS 245	Logic and Computation	0.50	0.50	82
CS 246	Object-Oriented Software Development	0.50	0.50	81
ENGL 210C	Genres of Creative Writing	0.50	0.50	92
PSYCH 256	Introduction to Cognitive Science	0.50	0.50	74
STAT 230	Probability	0.50	0.50	78
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	81.40 Term Totals	2.50	2.50	
Cumulative GPA	81.40 Cumulative Totals	7.50	7.50	
Major Average:	81.00 Computer Science, Honours, Co-operative Program			
Faculty Average:	80.78 Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 12/31/2016				

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#### Winter 2017

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
ENGL	200A	Survey of British Literature 1	0.50	0.50	83
PD	10	Professional Responsibility in Computing	0.50	0.00	CR
WKRPT	200M	Work-term Report	0.13	0.00	75
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		83.00 Term Totals	1.63	0.50	
Cumulative GPA		81.50 Cumulative Totals	8.00	8.00	
Major Average:		81.00 Computer Science, Honours, Co-operative Program			
Faculty Average:		80.78 Computer Science, Honours, Co-operative Program			

Academic Standing: Excellent standing Effective 04/30/2017

#### Spring 2017

Program: Computer Science, 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	69
CS	241	Foundations of Sequential Programs	0.50	0.50	87
CS	251	Computer Organization and Design	0.50	0.50	84
MATH	239	Introduction to Combinatorics	0.50	0.50	81
PHYS	239	Computational Physics 2	0.50	0.00	100

*No credit but included in average*

			<u>In GPA</u>	<u>Earned</u>	
Term GPA		84.20 Term Totals	2.50	2.00	
Cumulative GPA		82.14 Cumulative Totals	10.50	10.00	
Major Average:		80.50 Computer Science, Honours, Co-operative Program			
Faculty Average:		80.62 Computer Science, Honours, Co-operative Program			

Academic Standing: Excellent standing Effective 08/31/2017

*Credit for PHYS 239 in spring 2017 term suppressed because anti-requisite course CS 136 passed in winter 2016 term. Both courses included in averages and course-attempt count.*

#### Fall 2017

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
ENGL	251A	Criticism 1	0.50	0.50	80
PD	5	Project Management	0.50	0.00	CR
WKRPT	300M	Work-term Report	0.13	0.00	75

			<u>In GPA</u>	<u>Earned</u>	
Term GPA		80.00 Term Totals	1.63	0.50	
Cumulative GPA		82.04 Cumulative Totals	11.00	10.50	

Major Average: 80.50 Computer Science, Honours, Co-operative Program

Faculty Average: 80.62 Computer Science, Honours, Co-operative Program

Academic Standing: Excellent standing Effective 12/31/2017

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#### Winter 2018

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 341	Algorithms	0.50	0.50	78
CS 350	Operating Systems	0.50	0.50	77
ENGL 208A	Forms of Fantasy	0.50	0.50	83
ENGL 335	Creative Writing 1	0.50	0.50	86
PHIL 207J	Philosophy and J.R.R. Tolkien	0.50	0.50	85
Course Topic: The Lord of the Rings				
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	81.80 Term Totals	2.50	2.50	
Cumulative GPA	82.00 Cumulative Totals	13.50	13.00	
Major Average:	79.75 Computer Science, Honours, Co-operative Program			
Faculty Average:	80.20 Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 05/18/2018				

#### Spring 2018

Program: Computer Science, Honours, Co-operative Program  
Level: 3B 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 4	Co-operative Work Term	0.50	0.00	CR
PD 8	Intercultural Skills	0.50	0.00	CR
WKRPT 400M	Work-term Report	0.13	0.00	89
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	0.00 Term Totals	1.13	0.00	
Cumulative GPA	82.00 Cumulative Totals	13.50	13.00	
Major Average:	79.75 Computer Science, Honours, Co-operative Program			
Faculty Average:	80.20 Computer Science, Honours, Co-operative Program			

#### Fall 2018

Program: Computer Science, Honours, Co-operative Program  
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 360	Introduction to the Theory of Computing	0.50	0.50	92
CS 486	Introduction to Artificial Intelligence	0.50	0.50	86
LS 101	Introduction to Legal Studies	0.50	0.50	71
STAT 231	Statistics	0.50	0.50	95
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	86.00 Term Totals	2.00	2.00	
Cumulative GPA	82.52 Cumulative Totals	15.50	15.00	
Major Average:	81.60 Computer Science, Honours, Co-operative Program			
Faculty Average:	82.00 Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 01/18/2019				

#### Winter 2019

Program: Computer Science, Honours, Co-operative Program  
Level: 4A 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 5	Co-operative Work Term	0.50	0.00	CR
ENGL 200B	Survey of British Literature 2	0.50	0.50	85
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	85.00 Term Totals	1.00	0.50	
Cumulative GPA	82.59 Cumulative Totals	16.00	15.50	
Major Average:	81.60 Computer Science, Honours, Co-operative Program			
Faculty Average:	82.00 Computer Science, Honours, Co-operative Program			

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#### Spring 2019

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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	454	Distributed Systems			
CS	458	Computer Security and Privacy			
ENGL	294	Game Studies			
PHIL	251	Metaphysics and Epistemology			

#### Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
12/23/2015	English Proficiency	Completed
08/30/2016	Work Report 1	Completed
08/30/2016	Work Term 1	Completed
04/30/2017	Work Report 2	Completed
04/30/2017	Work Term 2	Completed
12/30/2017	Work Report 3	Completed
12/30/2017	Work Term 3	Completed
08/30/2018	Work Report 4	Completed
08/30/2018	Work Term 4	Completed
04/30/2019	Undergraduate Communication Requirement - Part 1	Completed
04/30/2019	Work Term 5	Completed

#### Scholarships and Awards

2016 University of Waterloo President's Scholarship of Distinction

**End of Undergraduate Unofficial Transcript**