

## Undergraduate Unofficial Transcript

Name: **Gao, William**  
Student ID: **20885679**  
Ontario Education Nbr: **689782811**

### Beginning of Undergraduate Record

#### Fall 2020

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 1A Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
AFM 101	Introduction to Financial Accounting	0.50	0.50	96
AFM 132	Introduction to Business Stages	0.50	0.50	97
CS 135	Designing Functional Programs	0.50	0.50	93
MATH 135	Algebra for Honours Mathematics	0.50	0.50	98
MATH 137	Calculus 1 for Honours Mathematics	0.50	0.50	93
MTHEL 199	Special Topics	0.25	0.25	CR
Course Topic:	First year readiness			
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	95.40 Term Totals	2.75	2.75	
Cumulative GPA	95.40 Cumulative Totals	2.50	2.75	
Major Average:	94.67 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:	94.67 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing:	Excellent Standing Effective 01/21/2021			
Term Honours:	Term Distinction			

#### Winter 2021

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 1B Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
AFM 102	Introduction to Managerial Accounting	0.50	0.50	99
AFM 121	Introduction to Global Financial Markets	0.50	0.50	89
CS 136	Elementary Algorithm Design and Data Abstraction	0.50	0.50	87
MATH 136	Linear Algebra 1 for Honours Mathematics	0.50	0.50	95
MATH 138	Calculus 2 for Honours Mathematics	0.50	0.50	93
PD 1	Career Fundamentals	0.50	0.00	CR
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	92.60 Term Totals	3.00	2.50	
Cumulative GPA	94.00 Cumulative Totals	5.00	5.25	
Major Average:	93.17 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:	95.25 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:	93.17 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing:	Excellent Standing Effective 05/19/2021			
Term Honours:	Term Distinction			

#### Spring 2021

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 2A Form Of Study: Co-op Work Term

Course	Description	Attempted	Earned	Grade
COOP 1	Co-operative Work Term	0.50	0.00	CR
CS 251	Computer Organization and Design	0.50	0.50	87
PD 11	Processes for Technical Report Writing	0.50	0.00	CR
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	87.00 Term Totals	1.50	0.50	
Cumulative GPA	93.36 Cumulative Totals	5.50	5.75	
Major Average:	92.29 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:	95.25 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:	92.29 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing:	Excellent Standing Effective 09/14/2021			
Term Honours:	Term Distinction			

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### Fall 2021

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 2A Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AFM	272	Global Capital Markets	0.50	0.50	92
CS	245	Logic and Computation	0.50	0.50	97
CS	246	Object-Oriented Software Development	0.50	0.50	95
ECON	101	Introduction to Microeconomics	0.50	0.50	96
STAT	230	Probability	0.50	0.50	98
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		95.60 Term Totals	2.50	2.50	
Cumulative GPA		94.06 Cumulative Totals	8.00	8.25	
Major Average:		93.46 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:		94.83 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:		93.46 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 01/20/2022					
Term Honours: Term Distinction					

### Winter 2022

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 2B 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	5	Project Management	0.50	0.00	CR
STAT	231	Statistics	0.50	0.50	87
WKRPT	200M	Work-term Report	0.13	0.13	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		87.00 Term Totals	1.63	0.63	
Cumulative GPA		93.65 Cumulative Totals	8.50	8.88	
Major Average:		92.92 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:		94.83 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:		92.92 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 05/19/2022					
Term Honours: Term Distinction					

### Spring 2022

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 2B Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AFM	275	Corporate Finance	0.50	0.50	90
CS	240	Data Structures and Data Management	0.50	0.50	86
CS	241	Foundations of Sequential Programs	0.50	0.50	95
ENGL	119	Communications in Mathematics & Computer Science	0.50	0.50	88
MATH	239	Introduction to Combinatorics	0.50	0.50	93
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		90.40 Term Totals	2.50	2.50	
Cumulative GPA		92.91 Cumulative Totals	11.00	11.38	
Major Average:		92.60 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:		93.38 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:		92.60 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 09/13/2022					
Term Honours: Term Distinction					

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**Name:** Gao, William  
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### Fall 2022

**Program:** Computing and Financial Management, Honours, Co-operative Program  
**Level:** 3A **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
MATH	237	Calculus 3 for Honours Mathematics	0.50	0.50	87
PD	22	Professionalism and Ethics in Engineering Practice	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		87.00 Term Totals	1.50	0.50	
Cumulative GPA		92.65 Cumulative Totals	11.50	11.88	
Major Average:		92.25 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:		93.38 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:		92.25 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 01/19/2023					
Term Honours: Term Distinction					

### Winter 2023

**Program:** Computing and Financial Management, Honours, Co-operative Program  
**Level:** 3A **Form Of Study:** Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AFM	423	Topics in Financial Econometrics	0.50	0.50	97
CFM	301	Financial Data Analytics	0.50	0.50	92
CS	341	Algorithms	0.50	0.50	89
CS	350	Operating Systems	0.50	0.50	92
CS	370	Numerical Computation	0.50	0.50	95
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		93.00 Term Totals	2.50	2.50	
Cumulative GPA		92.71 Cumulative Totals	14.00	14.38	
Major Average:		92.21 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:		93.78 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:		92.21 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 05/19/2023					
Term Honours: Term Distinction					

### Spring 2023

**Program:** Computing and Financial Management, Honours, Co-operative Program  
**Level:** 3B **Form Of Study:** Co-op Work Term

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CO	250	Introduction to Optimization	0.50	0.50	82
COOP	4	Co-operative Work Term	0.50	0.00	CR
ENGL	109	Introduction to Academic Writing	0.50	0.50	81
PD	8	Intercultural Skills	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		81.50 Term Totals	2.00	1.00	
Cumulative GPA		91.97 Cumulative Totals	15.00	15.38	
Major Average:		91.70 Computing and Financial Management, Honours, Co-operative Program			
Special Major Average:		92.50 Computing and Financial Management, Honours, Co-operative Program			
Faculty Average:		91.70 Computing and Financial Management, Honours, Co-operative Program			
Academic Standing: Excellent Standing Effective 09/14/2023					
Term Honours: Term Distinction					

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### Fall 2023

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 4A Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AFM	425	Fixed Income Securities	0.50	0.50	93
CO	456	Introduction to Game Theory	0.50	0.50	88
CS	466	Algorithm Design and Analysis	0.50	0.50	97
STAT	333	Stochastic Processes 1	0.50	0.50	93
STAT	373	Regression and Forecasting Methods in Finance	0.50	0.50	89
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		92.00 Term Totals	2.50	2.50	
Cumulative GPA		91.97 Cumulative Totals	17.50	17.88	

### Winter 2024

Program: Computing and Financial Management, Honours, Co-operative Program  
Level: 4B Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AFM	322	Derivative Securities			
AFM	334	International Study Experience			
CS	456	Computer Networks			
CS	479	Neural Networks			
CS	480	Introduction to Machine Learning			
CS	482	Computational Techniques in Biological Sequence Analysis			

### Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
08/31/2021	Work Report 1	Completed
08/31/2021	Work Term 1	Completed
04/30/2022	Work Report 2	Completed
04/30/2022	Work Term 2	Completed
08/31/2022	Undergraduate Communication Requirement - Part 1	Completed
12/31/2022	Work Term 3	Completed
08/31/2023	Undergraduate Communication Requirement	Completed
08/31/2023	Work Term 4	Completed

### Scholarships and Awards

2021	University of Waterloo President's Scholarship of Distinction
2021	Computing and Financial Management Outstanding Academic Achievement Award
2022	Computing and Financial Management Outstanding Academic Achievement Award

**End of Undergraduate Unofficial Transcript**