

Issued To:  
Xianzhao Duan

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Xianzhao Duan	400381647		30 August	02 September 2025

Transcript valid only if bearing the Registrar's Signature.

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Beginning of Undergraduate Career Record

--- 2021 Fall ---

Program: Engineering Degree Seeking  
Plan: Computer Science 1 CO-OP (Year One)  
Term Honours: The McMaster University Award of Excellence

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ASTRON 1F03	Intro: Astron & Astrophys	3.00/3.00	A+
COMPSCI 1JC3	Intro To Comput Thinking	3.00/3.00	A+
COMPSCI 1MD3	Introduction To Programming	3.00/3.00	A+
MATH 1B03	Linear Algebra 1	3.00/3.00	A+
MATH 1ZA3	Engineering Mathematics I	3.00/3.00	A+
WHMIS 1A00	Intro To Health And Safety	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	180.0	12.0

--- 2022 Winter ---

Program: Engineering Degree Seeking  
Plan: Computer Science 1 CO-OP (Year One)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 1DM3	Discrete Math for Comp Sci	3.00/3.00	A+
COMPSCI 1XC3	Development Basics	3.00/3.00	A+
COMPSCI 1XD3	Intro to Sfwr Using Web Prog	3.00/3.00	A+
ENGINEER 1EE0	Engineer Co-op Prm	0.00/0.00	COM
MATH 1ZB3	Engineering Mathematics II-A	3.00/3.00	B
PHYSICS 1A03	Introductory Physics	3.00/3.00	A-

Totals

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	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	162.0	10.8

Academic Standing: Good Standing  
Term Honours: Deans' Honour List

--- 2022 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 2C03	Data Struct & Algorithms	3.00/3.00	A-
COMPSCI 2GA3	Computer Architecture	3.00/3.00	B
COMPSCI 2LC3	Logical Reasoning: Comp Sci	3.00/3.00	B+
COMPSCI 2ME3	Intro To Software Development	3.00/3.00	A
MATH 2LA3	Applications of Linear Algebra	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	150.0	10.0

--- 2023 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 2AC3	Automata and Computability	3.00/3.00	A+
COMPSCI 2DB3	Databases	3.00/3.00	A+
COMPSCI 2SD3	Concurrent Systems	3.00/3.00	A
COMPSCI 2XC3	Algorithms and Software Design	3.00/3.00	A-
STATS 2DA3	Intro to Data Science Methods	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	171.0	11.4

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Academic Standing: Good Standing  
Term Honours: Deans' Honour List

--- 2023 Spring/Summer ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: McMaster University Location: Hamilton, ON Position : Co-op Student Start Date: 2023-05-01 End Date: 2023-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2023 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 3GC3	Computer Graphics	3.00/3.00	A+
COMPSCI 3MI3	Prncpl: Programming Languages	3.00/3.00	A+
COMPSCI 3SH3	Operating Systems	3.00/3.00	A
DATASCI 2G03	Scientific Computing	3.00/3.00	A
STATS 2D03	Intro To Probability	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	174.0	11.6

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--- 2024 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 3AC3	Algorithms and Complexity	3.00/3.00	A-
COMPSCI 3DM3	Introduction to Data Mining	3.00/3.00	A-
COMPSCI 3N03	Computer Networks and Security	3.00/3.00	A+
COMPSCI 3TB3	Syntax-Based Tools & Compilers	3.00/3.00	A
PHILOS 2B03	Introductory Logic	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	165.0	11.0

Academic Standing: Good Standing  
Term Honours: Deans' Honour List

--- 2024 Spring/Summer ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: McMaster University Location: Hamilton, ON Position : Co-op Student Start Date: 2024-05-01 End Date: 2024-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

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--- 2024 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: SOTI Inc. Location: Hamilton, ON Position : Co-op Student Start Date: 2024-09-01 End Date: 2025-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2025 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: SOTI Inc. Location: Hamilton, ON Position : Co-op Student Start Date: 2024-09-01 End Date: 2025-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

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--- 2025 Spring/Summer ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: SOTI Inc. Location: Hamilton, ON Position : Co-op Student Start Date: 2024-09-01 End Date: 2025-08-31)	0.00/0.00	

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2025 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 4AL3	Applctns of Machine Learning	3.00/0.00	
COMPSCI 4CR3	Applied Cryptography	3.00/0.00	
COMPSCI 4O03	Linear Optimization	3.00/0.00	
COMPSCI 4ZP6A	Capstone Project	0.00/0.00	
ENGLISH 3CP3	Writing Practices	3.00/0.00	

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	12.0/0.0	0.0	0.0	0.0

--- 2026 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

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Term Enrolment

Course	Title	Attm./Earned Units	Grade
ART 1UI3	Making Art&Understand. Images	3.00/0.00	
COMMERCE 1BA3	Organizational Behaviour	3.00/0.00	
COMPSCI 4NL3	Natural Language Processing	3.00/0.00	
COMPSCI 4ZP6B	Capstone Project	6.00/0.00	
MUSIC 1AA3	Intro:History Of WstrnMusic II	3.00/0.00	

End of Undergraduate Career Record

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End of Student Unofficial Transcript