# Carnegie Mellon University Student Name: Alex Tianyi Xu

Birth Date/Month: 24-Sep

College: School of Computer Science

Department: SCS Interdisciplinary Major: Artificial Intelligence

23.0

Cumulative

Beginning of Undergraduate Record
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ADVANCED PLACEMENT CREDIT FROM INTL BACCALAUREATE							
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE			
MSC	21120 76013	DIFFERENTIAL INT CAL IB LANG & LITER	10.0 9.0	AD AD			
	TO	TAL AP / TRANSFER CREDIT	19.0				
Summ	Summer 1/All 2020						
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS		
CS CMU	15051 99101	DISCRETE MATH PRIMER CMPTNG CARNEGIE MELL	1.0 3.0	P P	0.0 0.0		
Semest	er	UNITS PASSED 4.0	UNITS FACTORED 0.0	FINAL QPA 0.00	TOTAL POINTS 0.0		

Fall 20	)20		Dean's List, H	ligh Honors	
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS
SCS	07128	FRSHMN IMGRATN COURS	1.0	Α	4.0
SCS	07131	GREAT PRAC IDEAS CS	2.0	Α	8.0
CS	15122	PRIN IMPRTV COMPTATN	10.0	Α	40.0
CS	15151	MATH FOUNDATIONS CS	10.0	Α	40.0
MSC	21122	INTEGRTN & APPROX	10.0	Α	40.0
MSC	21295	PUTNAM SEMINAR	3.0	Α	12.0
ECO	73102	PRINCPLES OF MICROEC	9.0	Α	36.0
		UNITS PASSED	UNITS FACTORED	FINAL QPA	TOTAL POINTS
Semester 45.0		45.0	4.00	180.0	
Cumula	ative	68.0	45.0	4.00	180.0
				1/ 00 /	

0.0

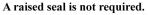
Spring 2021				Dean's List, F	ligh Honors
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS
SCS	07180	CONCEPTS IN AI	5.0	Α	20.0
CS	15150	PRIN FNCTIONL PRGMMG	10.0	Α	40.0
CS	15213	INTR CMPUTER SYSTEMS	12.0	Α	48.0
CS	15295	COMPTN PGMG PBL SLVG	5.0	Α	20.0
MSC	21241	MATRC & LINR TRNSF	10.0	Α	40.0
ENG	76107	WRTG ABOUT DATA	4.5	Α	18.0
ENG	76108	WRTG ABT PUB PROBS	4.5	Α	18.0
		UNITS	UNITS	FINAL	TOTAL
		PASSED	FACTORED	QPA	POINTS
Semes	Semester 51.0		51.0	4.00	204.0
Cumulative 119.0		96.0	4.00	384.0	

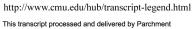
Fall 20	021			Dean's List, H	ligh Honors
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS
CS CS PHY STA	15210 15281 33141 36218	PRL SEQ DATA STR ALG AI RPRSNTN & PRB SLV PHY I ENG STUD PROB THEO CS	12.0 12.0 12.0 9.0	A A A	48.0 48.0 48.0 36.0
Semes Cumula		UNITS PASSED 45.0 164.0	UNITS FACTORED 45.0 141.0	FINAL QPA <b>4.00</b> <b>4.00</b>	TOTAL POINTS 180.0 564.0

Spring 2022				Dean's List, F	ligh Honors
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS
MLG	10315	MACHINE LEARNING	12.0	Α	48.0
LTI	11411	NATRL LNGUAG PRCSSNG	12.0	Α	48.0
CS	15251	GRT IDEAS THERTCL CS	12.0	Α	48.0
PHY	33142	PHY II ENG & PHY	12.0	Α	48.0
PHI	80100	INTRO TO PHILOSOPHY	9.0	Α	36.0
Semeste	er	UNITS PASSED 57.0	UNITS FACTORED <b>57.0</b>	FINAL QPA <b>4.00</b>	TOTAL POINTS 228.0
Cumulative 221.0		198.0	4.00	792.0	

Cumulative	224.0	198.0	4.00	792.0	
Semester	3.0	0.0	0.00	0.0	
	UNITS PASSED	UNITS FACTORED	FINAL QPA	TOTAL POINTS	
SCS 07090	AI PRACTICUM	3.0	Р	0.0	
DPT CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS	
Summer 1/All 2022					

Fall 2022				Dean's List, I	ligh Honors
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS
MLG	10417	INTERMED DEEP LEARN	12.0	Α	48.0
CS	15387	COMPTNL PERCEPTN	9.0	Α	36.0
CS	15451	ALGORITHM DES & ANLS	12.0	Α	48.0
STA	36401	MODERN REGRESSION	9.0	Α	36.0
PHI	80249	AI SOC HUMANITY	9.0	Α	36.0
		UNITS	UNITS	FINAL	TOTAL
		PASSED	FACTORED	QPA	POINTS
Semester 51.0		51.0	4.00	204.0	
Cumulative 275.0		249.0	4.00	996.0	







Page 2 of 2

Carnegie Mellon University Student Name: Alex Tianyi Xu Birth Date/Month: 24-Sep

Spring 2023				Dean's List, H	ligh Honors
DPT	CRS#	COURSE TITLE	UNITS	FINAL GRADE	QUALITY POINTS
MLG	10403	DEEP RL & CONTROL	12.0	Α	48.0
ROB	16467	HUMAN ROBOT INTERACT	12.0	Α	48.0
MSC	21268	MULTIDIMNSL CALCULUS	10.0	Α	40.0
PHY	33228	ELECTRONICS I	10.0	Α	40.0
PSY	85211	COG PSY	9.0	Α	36.0
Semester		UNITS PASSED 53.0	UNITS FACTORED 53.0	FINAL QPA <b>4.00</b>	TOTAL POINTS 212.0
Cumulative		328.0	302.0	4.00	1208.0

End of Undergraduate Record





## Carnegie Mellon University

## Transcript Information

This information is also available at:

dent-records/transcripts/legend.html

## **Contact Information**

Please direct all questions to The University Registrar's Office:

Carnegie Mellon University Phone: 412-268-4138 University Registrar's Office 5000 Forbes Avenue Fax:412-268-6651

Email:uro-transcrtipts@andrew.cmu.edu Pittsburgh, PA 15213-3890 Website: http://www.cmu.edu/hub

#### Family Education Rights and Privacy Act (FERPA) of 1974 as Amended

This record is released on the condition that the student information contained herein will not be transferred to a third party without the written consent of the student.

Carnegie Mellon University is an accredited member of the Middle States Commission on Higher Education, 3624 Market St., Philadelphia, PA 19104.

#### College and department accreditations include:

- Accreditation Board for Engineering Technology (ABET) Chemical Engineering, Civil Engineering, Electrical and Computer Engineering, Éngineering and Public Policy, Mechanical Engineering, and Materials Science and Engineering
- National Architectural Accrediting Board (NAAB) Architecture
- National Association of Schools of Art and Design (NASAD) Art and Design
- National Association of Schools of Music (NASM) Music American Assembly of Collegiate Schools of Business (AACSB) and Middle Atlantic Association of College of Business Administration (MAACBA) - David A. Tepper School of Business; American Chemical Society (ACS) – Chemistry
  National Association of Schools of Public Affairs and Administration (NAPAA) – H. John Heinz

#### Language of Instruction

All Carnegie Mellon University courses are taught in English.

#### **Teaching Location**

This transcript reflects all Carnegie Mellon coursework, independent of campus or teaching

Carnegie Mellon observes the semester system with two six-week summer sessions. Courses may be taught in other shortened sessions.

#### Course Numbers

Each Carnegie Mellon University course number begins with a two-digit prefix which designates the department offering the course (76-xxx courses are offered by the Department of English, etc.) Although each department maintains its own course numbering practices, typically the first digit after the prefix indicates the class level: xx-1xx courses are freshmen-level, xx-2xx courses are sophomore level, etc. xx-6xx courses may be either undergraduate senior-level or graduate-level, depending on the department. Xx-7xx courses and higher are graduate-level.

#### **Degree Requirements**

Degrees are awarded upon satisfactory completion of residence requirements, all requirements in the approved curriculum(a) and by recommendation for degree(s) by the faculty of the appropriate college(s).

#### Units of Work vs. Credit Hours

Three units equal one semester hour of credit.

Quality Point Average (QPA) Calculations
Carnegie Mellon University defines a quality point as a point value times units for a given course. QPAs are calculated according to the following formula

Semester QPA: quality points divided by factorable units.

Cumulative QPA: total quality points divided by total factorable units.

Undergraduate courses may not be factorable into the QPA for graduate students, depending on the student's college.

## Units Carried vs. Passed vs. Factored

Units Carried refers to the total number of units for which the student is registered.

Units Passed is the total of all units that have a passing grade. Grades of 'R', 'N', and 'I' are not

Units Factored is the total of all units factored into QPA. See Grading Standards for grades not factorable into QPA. Undergraduate courses are not factorable into QPA for graduate students.

A separate cumulative QPA is calculated for undergraduate and graduate records. If a student attends for a combination of undergraduate, graduate studies, and/or non-degree studies, a cumulative QPA may not be calculated.

Cumulative QPA may not be available on transcripts for semesters prior to 1989.

#### 4.0 Grading Standards

Undergraduate students (and graduate students in CFA, CIT, CMU, MCS, and SCS who entered before Fall 1995):

Grade	Point Value	Description
A	4.0	Excellent
В	3.0	Good
C	2.0	Satisfactory
D	1.0	Passing
R	0.0	Failure
X	0.0	Conditional Failure
S	non-factorable	Satisfactory
P	non-factorable	Passing
N	non-factorable	Failure in Pass/Fail Course
0	non-factorable	Audit
W	non-factorable	Withdrawal
1	non-factorable	Incomplete
AD	non-factorable	Credit by examination
TR	non-factorable	Transfer credit

### 4+ Grading Standards / 9.0 Grading Standards

The 4+ grading scale is applicable to graduate students who entered in and after Fall 1995. The 9.0 grading scale is applicable only to certain graduate students who entered before Fall 1995: Students in the Graduate School of Industrial Administration (GSIA, now Tepper School of Business (TSB)), the School of Urban and Public Affairs (SUPA, now Heinz College (HC)), and graduate students who were admitted to the College of Humanities and Social Sciences (H&SS, now Dietrich College (DC)) after August 1986.

Grade	Point Value (4+)	Point Value (9.0)	Description
A+ *	4.33	9	
Α	4.00	8	
A-	3.66	7	
B+	3.33	6	
В	3.00	5	
B-	2.67	4	
C+	2.33	3	
С	2.00	2	
C-	1.67	1	
D+ *	1.33	-	
D *	1.0	0	
R	0.0	0	Failure
X	0.0	-	Conditional Failure
S	non-factorable	non-factorable	Satisfactory
P	non-factorable	non-factorable	Passing
N	non-factorable	-	Failure in Pass/Fail Course
0	non-factorable	-	Audit
W	non-factorable	-	Withdrawal
Ţ	non-factorable	-	Incomplete
AD	non-factorable	-	Credit by examination
TR	non-factorable	-	Transfer credit

\* DC and CIT graduate students are not permitted to receive an A+. TSB and HC graduate students do not receive D or D+ grades.

After the mid-point of the spring 2020 semester, a global pandemic caused a significant disruption that warranted temporary changes to our grading policy. These changes offered broader use of our Pass/No Pass (P/NP) grading option and the acceptance of passing grades to fulfill degree requirements.

#### **Grading Scale & QPA Conversion**

We are unable to provide conversion to other grading scales, such as percentage. A guide to our grading scale is provided on the back of all official transcripts. While we do provide overall semester QPA and cumulative QPA, we are unable to provide an "in-major" QPA (i.e. QPA for courses only in your major).

## **Physical Education Courses**

Physical Education Courses are considered Units Passed in the student's overall semester and cumulative QPA; they are not considered Units Factorable and are not used in calculating the student's overall semester QPA, rank in class or for academic actions.

Carnegie Mellon University does not discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex, handicap or disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status, or genetic information. Furthermore, Carnegie Mellon University does not discriminate and is required not to discriminate in violation of federal, state, or local laws or executive orders.

Inquiries concerning the application of and compliance with this statement should be directed to the Vice President for Campus Affairs, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-2056.

Obtain general information about Carnegie Mellon University by calling 412-268-2000.

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