Computer Science Major Declaration and Plan

Name Daniel Jang Class of

Tell us about yourself.

1. Why do you want to major in Computer Science?

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Prior to coming to NYUAD, I had no experience in coding nor did I have any concrete idea what computer science was about. I was always curious about latest technology, but I had never seriously considered it as a potential academic path. After taking Introduction to CS in my first semester, however, I was genuinely intrigued by how the course challenged me to use my logical and creative thinking skills for problem solving. Thoughing my grades were not the best that semester (regress) de tapen leads are about 10 build the complex technological system we use everyday, and hence I decided to follow the Computer Science track ever since. In addition, the Computer Science classes here would provide me the theoretical floundation of software engineering and machine learning, both of which are fields I amp planning to pursue post graduation. Therefore, majoring in Computer Science would not only allow me to explore how technology is made on an abstract level, but it would also be a crucial stepping stone into the career path I wish to jump to.

Do you have a specific advisor in mind? if yes, why this professor?

As for my capstone advisor, I would prefer Prof. Talai Rahwan - his Computational Social Science class exposed me to some of his work which I found fascinating. Above all, he was genuinely a caring professor, and I would love to have him as my mentor.

What are your capstone project plans?
 I don't have specific plans for now, but I hope I could do a project similar to Prof. Rahwan's re-

4. How many years of programming do you have already? What programming languages do you know? Do you have a public repository of projects you have done (e.g. github)?

My first experience to programming was introduction to Computer Science class in my freshman fall semester. In addition to Python, C, and C++ (studied during Intro to CS, Data Structures, and CSO), I am familiar with HTML, CSS, and Javascript. However I do not have a project to showcase on github yet.

S. What are your study away plans? (Note: CS Majors must be in Abu Dhabi in Junior Spring and must follow the Study waw plans?) (Note: CS Majors must be in Abu Dhabi in Junior Spring and must follow the Study away Pathways requirements)

Under the approval of my capstone mentor, I am planning to study away in Junior Fall (my 6th semester) after taking CS 3090 in Junior Spring (my 5th semester).

6. What is your intended Minor? and why?

am planning to minor in applied mathematics, as I am keen to study fundamentals of Machine Learning during my study away in New York, and this would require me to take advanced math requirements in prior. 7. What are your plans post graduation? (go to graduate school, go to industry, start a company, gap year, etc.)

My goal is to either pursue master's degree in Machine learning or jump into software development industry 8. Any additional information you would like to provide?

Please fill the Computer Science Major Plan below and attach your transcript.

For courses in previous semester, provide the letter grade. For future semesters place an X. The default plan below reflects the sample schedule in the bulletin. See the Sample Plans tab for four sample plans that vary based on the start of the CS major. Consequences in terms of study away are detailed there.

		Yes	ar 1			Year 2				Year 3			Year 4			Year 5			
Computer Science Major Plan	Fall	Jan	Spring	Summer	Fall	Jan	Spring	Summer	Fall	Jan	Spring	Summer	Fall	Jan	Spring	Fall	Jan	Spring	Summer
	Abu Dhabi	LOA	LOA	Abu Dhabi	Abu Dhabi	New York	Abu Dhabi	LOA	Abu Dhabi	Abu Dhabi	Abu Dhabi	Abu Dhabi							
							1												
CS-UH 1001 Introduction to Computer Science	C+		_																-
CS-UH 1002 Discrete Mathematics			B+																
CS-UH 1050 Data Structures			A-																
CS-UH 1052 Algorithms					B+														
CS-UH 2010 Computer Systems Organization					B+														
CS-UH 2012 Software Engineering							A-												
CS-UH 3010 Operating Systems											X								
CS-UH 3012 Computer Networks																Х			
MATH-UH 1012Q Calculus with Applications							В												
Computational Social Science							B+		1										
							DŦ		-				x			-			-
Select Major Elective													A						
CS-UH 3090 Research Seminar in CS											Х								
CS-UH 4001 Capstone Project in CS 1																Х			
CS-UH 4002 Capstone Project in CS 2																		Х	
Minor in Applied Mathematics																			
Multivariable Calculus								A											
Linear Algebra											Х								
Probability and Statistics											х								
Course 4																			
			_																
First Year Writing Seminar			B+																
Core Colloquium 1					A														
Core Colloquium 2																Х			
Core: Arts, Design and Technology							A												
Core: Cultural Exploration and Analysis																		X	
Core: Data and Discovery	A-																		
Core: Structures of Thought and Society						B+													
									_										
General Elective (Sports and Society)		A																	-
General Elective (Markets)			B+																_
General Elective (Communication Lab)					A-														
General Elective													X						
General Elective													X						
General Elective													X						
General Elective														X					
General Elective																Х			
General Elective																		X	
General Elective																		X	
General Elective																			