Name: Curran Kelleher

Student ID: 00736898

Print Date: 08/0	04/2014 Degrees Awarded		Course Description 84 123 Chemistry I Lab 91 102 Computing II	Attempted Earned Grade Points 1.00 1.00 B 3.000 4.00 4.00 A 16.000
	Degrees imarae	•	92 132 Calculus II	4.00 4.00 B 12.000
Degree: Confer Date: Degree GPA: Degree Honors: Plan: Sub-Plan:	Bachelor of Science 02/01/2010 3.380 Cum Laude Computer Science (BS) Major Bio/Chem Informatics		Test Credits Applied Course Description 91 101 Computing I 92 131 Calculus I Test Trans GPA: 0.00 Transfer Totals:	Attempted Earned Grade Points 4.00 4.00 T 0.000 4.00 T 0.000 8.00 8.00 0.000
			rest frams Gra. 0.00 framsfer focars.	
Degree: Confer Date:	Master of Science 02/01/2013			<u>Attempted Earned GPA Points</u> Units
Plan:	Computer Science (MS) Major		Term GPA: 3.388 Term Totals: Cum GPA: 3.388 Cum Totals:	16.00 16.00 16.00 54.200 24.00 24.00 16.00 54.200
	Transfer Credit		2006 Spring	
The student must als	edits may be applied to the degre so meet the University of Massach otal number of credits transferre	usetts residency requirement	Program: Arts & Sciences Plan: Computer Science (BS) Major Subplan: Bio/Chem Informatics Option	
	n Technical University of Darmsta	đt		
Incoming Course 91 204 Transferred to Term 91 204 Incoming Course 91 544	Introduction to Software Engin 2008 Spring as Computing IV Machine Learning/Stat Approach	3.00 B- 2008 WINT SEM 3.00 T 2008 SUMR SEM	Course Description 42 101 College Writing I 84 122 Chemistry II 84 124 Chemistry II Lab 91 201 Computing III 91 510 Topics: CS Fundamentals	Attempted Earned Grade Points 3.00 3.00 B 9.000 3.00 3.00 B+ 9.900 1.00 1.00 A- 3.700 4.00 4.00 B- 10.800
Transferred to Term 91 544	2008 Spring as Machine Learning & Data Mining	3.00 T	Course Topic: BioInformatics	3.00 3.00 A 12.000
Incoming Course			92 231 Calculus III	4.00 4.00 A 16.000
91 405 Transferred to Term	Programm Massiv Parallel Proc	3.00 T 2008 SUMR SEM	Dean's List	
91 405	Parallel Processing Beginning of Undergradua	3.00 T ate Record		<u>Attempted Earned GPA Points</u> Units
			Term GPA: 3.411 Term Totals:	$18.00 18.00 \overline{18.00} 61.400$
			Cum GPA: 3.400 Cum Totals:	42.00 42.00 34.00 115.600
	2005 Fall			
- 3	& Sciences		2006 Fall	
Subplan: Bio/C	uter Science (BS) Major Chem Informatics Option Cription	Attempted Earned Grade Points	Program: Arts & Sciences Plan: Computer Science (BS) Major Subplan: Bio/Chem Informatics Option	
81 117 Expe	nciples Of Biology I erimental Biology I mistry I	3.00 3.00 A 12.000 1.00 1.00 D+ 1.300 3.00 3.00 B+ 9.900	CourseDescription42102College Writing II51101German I & Culture	Attempted Earned Grade Points 3.00 3.00 B- 8.100 3.00 3.00 A- 11.100

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<u>Course</u> <u>Description</u>	Attempted Earned Grade	<u>Points</u>	
81 335 Principles of Genetics	3.00 3.00 A-	11.100	2008 Spring
Transcript Note: Honors 81 337 Exper Genetics	1.00 1.00 A	4.000	2000 Spring
91 203 Comp Org & Assembly Lang	4.00 4.00 A	16.000	Program: Arts & Sciences
Dean's List			Plan: Computer Science (BS) Major Subplan: Bio/Chem Informatics Option
Dean B Hibe			Subjan. Bio/chem informatics Option
	Attempted Earned GPA	<u>Points</u>	Course Description Attempted Earned Grade Points
Term GPA: 3.593 Term Totals:	<u>Units</u> 14.00 14.00 14.00	50.300	UML Off Campus Study Abroad 0.00 0.00 0.000
			OFFCAM OFFCAM
Cum GPA: 3.456 Cum Totals:	56.00 56.00 48.00	165.900	Attempted Earned GPA Points
			Units
2007 Spring			Term GPA: 0.000 Term Totals: 0.00 0.00 0.00 0.00
			Cum GPA: 3.500 Cum Totals: 77.00 77.00 60.00 210.000
Program: Arts & Sciences Plan: Computer Science (BS) Major			
Subplan: Bio/Chem Informatics Option			2008 Fall
-			2006 FAII
Course Description	Attempted Earned Grade	<u>Points</u>	Program: Arts & Sciences
51 102 German II & Culture	3.00 3.00 B	9.000	Plan: Computer Science (BS) Major
91 427 Computer Graphics I	3.00 3.00 A	12.000	Subplan: Bio/Chem Informatics Option
92 321 Discrete Structures I 92 386 Prob & Stats I	3.00 3.00 A 3.00 3.00 A-	12.000 11.100	Course Description Attempted Earned Grade Points
Dean's List	3.00 3.00 11	11.100	42 220 Oral & Wrttn Comm for CS 3.00 3.00 B 9.000
Dean's List			91 305 Computer Architecture 3.00 0.00 W 0.000
	Attempted Earned GPA	<u>Points</u>	91 503 Algorithms 3.00 3.00 B 9.000
2.655.7	<u>Units</u>	44 100	91 541 Data Visualization 3.00 3.00 A 12.000 92 322 Discrete Structures II 3.00 3.00 B- 8.100
Term GPA: 3.675 Term Totals:	12.00 12.00 12.00	44.100	
Cum GPA: 3.500 Cum Totals:	68.00 68.00 60.00	210.000	<u>Attempted Earned GPA Points</u> <u>Units</u>
			Term GPA: 3.175 Term Totals: 15.00 12.00 12.00 38.100
2007 Fall			Cum GPA: 3.446 Cum Totals: 92.00 89.00 72.00 248.100
Program: Arts & Sciences			
Plan: Computer Science (BS) Major			2009 Spring
Subplan: Bio/Chem Informatics Option			2009 Spring
			Program: Arts & Sciences
<u>Course</u> <u>Description</u>	Attempted Earned Grade	<u>Points</u>	Plan: Computer Science (BS) Major
SP 301 Study Abroad	0.00 0.00 S	0.000	Subplan: Bio/Chem Informatics Option
	Attempted Earned GPA	<u>Points</u>	Course Description Attempted Earned Grade Points
Tarm CDA: 0.000 Harm Hatale:	<u>Units</u>	0.000	Course Description Attempted Earned Grade Points 43 105 Western Civilization I 3.00 3.00 B 9.000
Term GPA: 0.000 Term Totals:	0.00 0.00 0.00	0.000	45 203 Introduction to Ethics 3.00 3.00 B+ 9.900
Cum GPA: 3.500 Cum Totals:	68.00 68.00 60.00	210.000	91 301 Org Programming Languages 3.00 3.00 A 12.000
			91 304 Foundations of Comp Science 3.00 3.00 B 9.000
			91 305 Computer Architecture 3.00 3.00 C 6.000

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		<u>Attempted</u>	<u>Earned</u>	GPA	<u>Points</u>		
Term GPA:	3.060 Term Totals:	15.00	15.00	<u>Units</u> 15.00	45.900		
Cum GPA:	3.379 Cum Totals:	107.00	104.00	87.00	294.000		
	2009 Fall						
Program: Plan: Subplan:	Arts & Sciences Computer Science (BS) Major Bio/Chem Informatics Option						
Course 16 265 45 384 47 101 48 101 57 211 91 308	Description Logic Design Philosophies of Art & Beauty General Psychology Intro to Sociology Sustainable Development Operating Systems	Attempted 3.00 3.00 3.00 3.00 3.00 3.00	3.00 3.00 3.00 3.00 3.00 3.00	B B+ B+ A- A	Points 9.000 9.900 9.900 11.100 12.000 9.000		
Dea	n's List						
		<u>Attempted</u>	Earned	<u>GPA</u> Units	<u>Points</u>		
Term GPA:	3.383 Term Totals:	18.00	18.00	18.00	60.900		
Cum GPA:	3.380 Cum Totals:	125.00	122.00	105.00	354.900		
Undergraduate Career Totals							
		<u>Attempted</u>	<u>Earned</u>	GPA	<u>Points</u>		
Cum GPA:	3.380 Cum Totals:	125.00	122.00	<u>Units</u> 105.00	354.900		
End of Unoffic	End of Unofficial Transcript - All						

Name: Curran Kelleher

Student ID: 00736898

Print Date:	08/04/2014								
	2011 Spring								
	Degrees Award	led		Program:	Arts & Sciences				
Degree: Confer Date:	Bachelor of Science 02/01/2010			Plan:	Computer Science (PhD) Major				
Degree GPA: Degree Honors:	3.380 Cum Laude			Course	<u>Description</u>	Attempted Earned Grade Points			
Plan: Sub-Plan:	Computer Science (BS) Major Bio/Chem Informatics			91 550 Course Top	Topics ic: Multi-touch Computing	3.00 3.00 B 9.000			
Degree:	Master of Science			91 574 91 641	Data Base II Adv Topics in Visualization	3.00 3.00 B 9.000 3.00 3.00 A 12.000			
Confer Date:	02/01/2013					Attempted Earned GPA Points			
Plan:	Computer Science (MS) Major			Term GPA:	3.333 Term Totals:	<u>Units</u> 9.00 9.00 9.00 30.000			
	Beginning of Gradua	te Record		Cum GPA:	3.629 Cum Totals:	27.00 21.00 21.00 76.200			
	2010 Spring				2011 Fall				
Program: Plan:	Arts & Sciences Computer Science (PhD) Major			Program: Plan:	Sciences Computer Science (PhD) Major				
<u>Course</u>	<u>Description</u>	Attempted Earned Grade	<u>Points</u>	<u>Course</u>	<u>Description</u>	Attempted Earned Grade Points			
91 540 91 543 91 701	Visual Analytics Artificial Intelligence Computer Science Research	3.00 3.00 A 3.00 3.00 A- 3.00 3.00 A	12.000 11.100 12.000	91 513 91 706	Internet & Web Systems I Directed Research	3.00 3.00 A+ 12.000 6.00 6.00 A 24.000			
91 /01	Computer Scrence Research	Attempted Earned GPA	Points			Attempted Earned GPA Points Units			
Term GPA:	3.900 Term Totals:	9.00 9.00 9.00	35.100	Term GPA:	4.000 Term Totals:	9.00 9.00 9.00 36.000			
Cum GPA:	3.900 Cum Totals:	9.00 9.00 9.00	35.100	Cum GPA:	3.740 Cum Totals:	36.00 30.00 30.00 112.200			
					222				
	2010 Fall				2012 Spring				
Program: Plan:	Arts & Sciences Computer Science (PhD) Major			Program: Plan:	Sciences Computer Science (PhD) Major				
Q	Bana daktan	The second of th	D. J. L.	Course	Description	Attempted Earned Grade Points			
<u>Course</u> 91 573	<u>Description</u> Data Base I	Attempted Earned Grade 3.00 3.00 A-	Points 11.100	91 514 91 641	Internet & Web Syst II Adv Topics in Visualization	3.00 3.00 A 12.000 3.00 3.00 A 12.000			
91 746	Master's Thesis - Comp Sci	6.00 0.00 W	0.000	91 753	Doctoral Dissertation/Comp Sci	3.00 0.00 PR 0.000			
		Attempted Earned GPA Units	<u>Points</u>			<u>Attempted Earned GPA Points</u> Units			
Term GPA:	3.700 Term Totals:	9.00 3.00 3.00	11.100	Term GPA:	4.000 Term Totals:	9.00 6.00 6.00 24.000			
Cum GPA:	3.850 Cum Totals:	18.00 12.00 12.00	46.200	Cum GPA:	3.783 Cum Totals:	45.00 36.00 36.00 136.200			

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Student ID: 00736898

	2012 Fall			Course 91	756	<u>Description</u> Doctoral Dissertation/Comp Sci	6.00	arned Grade 0.00 PR	Points 0.000
Program:	Sciences						Attempted Ea	<u>rned</u> <u>GPA</u> Units	<u>Points</u>
Plan:	Computer Science (PhD) Major			Term GPA:		0.000 Term Totals:	9.00	0.00 0.00	
				Cum GPA:		3.535 Cum Totals:	72.00 5	1.00 51.00	180.300
<u>Course</u> 91 504	Description	-	<u>ints</u>						
91 515	Operating Systems I	3.00 3.00 B 9	.000			2014 Spring			
91 753	Doctoral Dissertation/Comp Sci		.000	Program:		Sciences			
		Attempted Earned GPA Po Units	oints	Plan:		Computer Science (PhD) Major			
Term GPA:	3.500 Term Totals:		1.000	a		De marchablem	3.6.6		Do doub o
Cum GPA:	3.743 Cum Totals:	54.00 42.00 42.00 157	7.200	<u>Course</u> 91	759	<u>Description</u> Doctoral Dissertation/Comp Sci	Attempted E 9.00	arned Grade 0.00 PR	Points 0.000
				71	733	boccordi bibbercacion, comp ber		rned GPA	
	2013 Spring						_	<u>Units</u>	L
Program:	Sciences			Term GPA:		0.000 Term Totals:		0.00 0.00	
Plan:	Computer Science (PhD) Major			Cum GPA:		3.535 Cum Totals:	81.00 5	1.00 51.00	180.300
	2013 Spring			Graduate	Caree	r Totals			
Drogram'	Sciences						Attempted Ea	rned GPA Units	<u>Points</u>
Program: Plan:	Computer Science (MS) Major			Cum GPA:		3.535 Cum Totals:	81.00 5	1.00 51.00	
				End of IIn	offia	ial Transcript - All			
Course	<u>Description</u>		ints	Elia of oli	OLLIC.	iai iranscript - Aii			
91 502 91 531			.000						
91 580 Course Tor		3.00 3.00 B- 8	.100						
-	arning								
Wa	iriiriig								
		Attempted Earned GPA Po Units	oints						
Term GPA:	2.567 Term Totals:		3.100						
Cum GPA:	3.535 Cum Totals:	63.00 51.00 51.00 180	0.300						
2013 Fall									
Program: Plan:	Sciences Computer Science (PhD) Major								
Course	Description	Attempted Earned Grade Po.	<u>ints</u>						
91 753			.000						