

Northwestern | THE GRADUATE SCHOOL

Application for Admission

App Type **New Student** Submitted Date **12-28-2018** App ID# **79695990**

Intended **Full-time** Status Entry **Fall 2019** Quarter Prior TGS Applicant (Program)

Last Name **Kravitz** First **Adam** Middle **Jordan**

Gender Pronouns (US only) Birthdate **07-08-1996** Gender **Male**

Program **Computer Science: MS** Secondary PhD (MEAS Only)

Specialization/Area of Interest **Artificial Intelligence and Machine Learning** MS Consideration (MEAS Only)

Cluster

JD/PhD No DPT/PhD No Fee Waiver US Vet/Active Forces No

Ethnicity **White** Hispanic **No**

Citizenship **UNITED STATES** Visa

Citizenship Status **U.S. Citizen**

Country of Birth **UNITED STATES** Green Card #

Current Address
353 East 83rd Street
Apt. 3H
New York, NY, 10028
UNITED STATES

Permanent Address
353 East 83rd Street
Apt. 3H
New York, NY, 10028
UNITED STATES

Current Phone **917-684-5351** Permanent Phone **212-249-2625**

Cell Phone **917-684-5351** Preferred Phone **Cell Phone Number**
Number

Email Address **ajkrav@gmail.com**

Previous Institution	From	To	Field of Study	Level	Degree	Date
University Of Rochester	09-01-2014	05-20-2018	Computer Science		US Bachelor of Science	05-20-2018
Hunter College	06-01-2016	07-13-2016				
Baruch College	06-01-2015	08-13-2015				

Cumulative UG GPA	3.61	UG Junior/Senior Year GPA	3.75
Cumulative UG GPA - Unconverted		Max UG GPA Scale	
Cumulative Grad GPA			
Cumulative Grad GPA - Unconverted		Max Grad GPA Scale	

Letters of Recommendation

1. **Marvin Doyley** m.doyley@rochester.edu
 2. **M.Ehsan Hoque** mehoque@cs.rochester.edu
 3. **Jing Gao** jgao@rvu.edu
 - 4.
 - 5.
-

Are you interested in studying with specific faculty members? (List names below)

1. First Name **Alok** Last Name **Choudhary**
 2. First Name Last Name
 3. First Name Last Name
 4. First Name Last Name
-

Please indicate the highest level of education completed by your parent(s) or guardian(s) (the one or two people most responsible for raising you)

First individual's highest level of education completed: **Bachelor's degree or equivalent**

If other, please explain:

Second individual's highest level of education completed: **Bachelor's degree or equivalent**

If other, please explain:

Language

Reading

Writing

Speaking

Self-Reported Test Scores

GRE Gen	12-26-2017	Verbal	152	56	Quant	168	94	A.W.	4.0	59					
GRE Sub								LSAT							
TOEFL		Ovr		Read		List		Speak		Writ		IELTS		Ovr	
GMAT		Tot			Verb			Quant			A.W.		I.R.		
MCAT		Bioscience			Verbal			Physical Science							

Please list any honors you have been awarded

University of Rochester- Wilder Trustee Scholar

University of Rochester- Dean's List

University of Rochester- B.S. in Computer Science with Distinction

Have you applied for or been awarded an external fellowship?

Yes No If yes, please specify:

Please describe your plans for the future.

I hope in the short term that I will work for a company where I can create computational tools for the healthcare field. My long-term career objective is to create a company that develops different types of healthcare computational tools that can assist people with medical issues.

Other Universities Applied (in preferred rank order)

1. School Drop Down **Columbia University**

5. School "other"

2. School Drop Down **New York University**

6. School "other"

3. School Drop Down **University of Chicago**

7. School "other"

4. School Drop Down **Washington University**

8. School "other"

Yale University

Academic misconduct? Yes No

Convicted of crime? Yes No

If answered yes, applicant is asked to upload explanation. If uploaded, explanation will be attached to end of application PDF.

My path has been a circuitous one. At the beginning of my junior year of high school my father became ill with a life-threatening disease. Over the next four years, he would fight through two additional life-threatening illnesses. Four years: three different life-threatening diseases. What are the odds?

For most of that time, I was at college, far from home, with nothing at all I could do for my father—or my family. I wanted to help—to be useful in some way—so I spent countless hours studying the latest advancements in healthcare technology with the intention of more clearly understanding how the doctors were treating my father. With this minimal amount of knowledge, I was able to watch and deeply appreciate, how modern healthcare techniques and the latest technologies saved my father's life. It is this combination of technology and healthcare which is so interesting, important, and personal to me.

My interest in medicine, and innate curiosity prompted me to explore different areas of healthcare-related science. It was during this time of inquiry that I came across “Foldit,” a research project developed by the University of Washington. It inspired me instantly. Foldit is a puzzle program, which uses crowdsourcing to discover different ways proteins fold, and subsequently analyzes those results for use in medical research. To me, Foldit represented the gamification of healthcare—an amazing combination of medical science, research, and technology, powered by people. It uses the expanse of the internet to turn the average person into a research scientist. How many fields have that type of power? It was clear to me then, that a project of this magnitude could not be performed without computer science. I was so inspired and motivated by what I witnessed with Foldit that I decided to study computer science for my undergraduate degree, while I continued exploring healthcare independent of computer science by taking a premed track as my elective courses.

Outside the classroom I mixed these two interests as well. I conducted research in a Biomedical Engineering (BME) lab during my last two years of undergraduate work and performed data processing for a radiology research study the summer between the two. What I experienced during this time further solidified my belief that computer science will move the research and healthcare fields forward. I recognized flaws in many of the systems currently in use and believe computer science holds the key to necessary changes. For example: doctors use unfriendly, and time-consuming user interfaces when trying to treat their patients. Researchers sometimes appear unaware of useful programs that exist to make their jobs easier, or they do not have the time to learn other more complex programs, which would be helpful to their research. Even my limited involvement in BME research quickly and clearly demonstrated to me that computer science can change the way we do research, and I want to be part of that.

I am a computer scientist, and I am the child of a patient who has spent years navigating the healthcare system. I have seen firsthand, and from both sides, the improvements that could be made in day-to-day healthcare through better incorporation of computer science. I want to be a force for creating improvements.

I imagine a future where doctors will use computer science driven machine learning to make personalized medicine for patients, based on a combination of their families and their own medical history, to predict the best medication and dosages to give patients, with the optimal benefit to harm ratio; a world where doctors can use an interface that is not tedious and annoying but rather saves them time to do more important work. I recognize degrees that meld healthcare and computer science exist. Bioinformatics is one example. But my interests lie in creating tools; such as the tools bioinformatics utilizes. For me, computer scientists are the blacksmiths, while the bioinformaticians are the carpenters utilizing tools computer scientists have developed. I want

Adam Kravitz

to make those tools; to do that effectively, I need to understand, what tools the healthcare side requires. Thus, I would love to study and conduct research at a university where I, as a computer scientist, can learn to develop tools using machine learning. I am excited to be part of creating a world with more accurate diagnoses and better treatment recommendations for healthcare providers.

Northwestern University is one of the few universities that would allow for this at the highest levels, as it is an institution with an unparalleled array of computer scientists, healthcare professionals, and academics working together in interesting and creative ways.

Professors, like Alok Choudhary, are conducting research related to developing and designing algorithms for data mining and machine learning, in multiple domains including medicine. Dr. Choudhary also uses health related social media posts to develop clinical decision-making systems. This is something I am very interested in.

For me, finding a university that has an innovative faculty exploring the union of the two fields that I want to explore is the place where I would like to continue my education. Northwestern's Department of Electrical Engineering and Computer Science has a reputation of bringing passionate students and faculty from different backgrounds together, innovators and academics making breakthroughs in their respective fields.

I want to study at Northwestern and be part of its current and future research, work with like-minded people; have professors who share my passions, whom I can learn from, be inspired by, and conduct research with, so that I can also contribute to the field of computer science. I would truly enjoy and value being part of the Northwestern University community.

University of Rochester - Official Transcript ID NO. 28709633 BIRTH DATE (MM/DD):07/08 SEX M
KRAVITZ, ADAM ENTERED 09/14 MAJOR 1
 ENTERED FROM: 1 ELEANOR ROOSEVELT HIGH SCHOOL MAJOR 2
 DEGREE BS HONORS
05/20/18 AWARDED

THE COLLEGE - ROCHESTER CURRICULUM

HUMANITIES - Cluster in PUBLIC HEALTH: BIOETHICS
SOCIAL SCIENCES - MINOR: PSYCHOLOGY
SCIENCE/ENGINEERING - ##MAJOR##: COMPUTER SCIENCE

COURSE TITLE	COL SUBJ	CRSE	HRS	GRADE	PROGRAM(S) OF STUDY					
					DEGREE		HONORS		AWARDED	
AP 4 credit hours in Statistics			4.0							
	TOTAL HOURS		4.0							
FALL 2014										
FOUNDATIONS OF COG SCIENCE	1 BCS	111	4.0	A-	SPRING 2015	CLASS=2018				
CHM CONCEPTS, SYST, PRACT I	1 CHM	131	5.0	A	CHM CONCEPTS, SYST, PRACT II	1 CHM	132	5.0	A	
CALCULUS IA	1 MTH	161	4.0	A-	CALCULUS IIA	1 MTH	162	4.0	B-	
AMERICAN DREAMS & NIGHTMARES	1 WRT	105	4.0	B	SOCIAL PSYCHOLOGY& INDIV DIF	1 PSY	161	4.0	A-	
** DEAN'S LIST **	RANK	HRS IN GPA	HRS EARNED	GPA	THE SCIENCE OF PROGRAMMING	4 CSC	171	4.0	A	
CURRENT		17.00	3.62		RANK	4 CSC	171	4.0	A	
CUMULATIVE		17.00	21.00	3.62	HRS IN GPA	17.00	17.00	3.62		
*****	Continued on Next Column	*****	*****	*****	HRS EARNED	34.00	38.00	3.62		

In accordance with the federal Family Educational Rights and Privacy Act of 1974 (FERPA), as amended (Buckley Amendment), this transcript, including narrative evaluations, may not be released to a third party without obtaining written consent of the student.

Nancy C. Speccht
 NANCY C. SPECHT, UNIVERSITY REGISTRAR



University of Rochester - Official Transcript
KRAVITZ, ADAM
ENTERED FROM: 1 ELEANOR ROOSEVELT HIGH SCHOOL
ID NO. 28709633 BIRTH (MM/DD)

ript
BIRTH DATE
(MM/DD):07/08

ENTERED MAJOR
1 09/14 CSC

OF STUDY
EGREE

AWARDED

COURSE TITLE		COL	SUBJ	CRSE	HRS	GRADE
Credits Granted						
Credit granted from: BARUCH COLLEGE						
Summer 2015						
BIO2010	Princ of Biology 1					
BIO3001	Princ of Biology 2					
BIO2010	=UR BIO 110					
BIO3001	=UR BIO 111/111P					
TOTAL HOURS						
FALL 2015						
DISCRETE MATHEMATICS						
SOCIAL & EMOTIONAL DEV						
THEOLOGY OF PERSONALITY&PSYCHOTHERAPY						
THE SCI OF DATA STRUCTURES						
*** DEAN'S LIST ***						
CURRENT						
CUMULATIVE						
CLASS=2018						
1 MTH	150	4.0	A			
1 PSY	171	4.0	A-			
4 CSC	181	4.0	B+			
4 CSC	172	4.0	A			
HRS IN GPA						
HRS EARNED						
GPA						
16.00						
16.00						
3.75						
3.66						
CHEM 22204 =UR CHM 203						
CHEM 22300 =UR CHM 207						
CHEM 22404 Organic Chem II						
CHEM 22404 =UR CHM 204						
TOTAL HOURS						
FALL 2016						
INTRO TO PUBLIC HEALTH						
ELEMENTS PROB & MATH STAT						
COMPUTATION & FORMAL SYSTEMS						
WEB PROGRAMMING						
*** DEAN'S LIST ***						
CURRENT						
CUMULATIVE						
CLASS=2018 BS MAJ=CSC						
1 MTH	165	4.0	B-			
1 PHL	102	4.0	B+			
1 WRT	273	2.0	A			
4 CSC	242	4.0	B-			
4 CSC	252	4.0	B			
HRS IN GPA						
HRS EARNED						
GPA						
18.00						
18.00						
3.04						
68.00						
81.00						
3.50						
***** CONTINUED ON NEXT COLUMN *****						
CUMULATIVE						
CUMULATIVE						
SPRING 2016 ENGR & APPLIED SCI						
LINEAR ALGEBRA W/DIFF. EQU						
ETHICS						
COMMUNICATING YOUR PROF IDENTITY						
ARTIFICIAL INTELLIGENCE						
COMPUTER ORGANIZATION						
RANK						
HRS IN GPA						
HRS EARNED						
GPA						
33%						
63%						
***** CONTINUED ON NEXT COLUMN *****						
CUMULATIVE						
CUMULATIVE						
SPRING 2017 ENGR & APPLIED SCI						
ETHICAL DECISNS IN MEDICINE						
INTRO TO PSYCHOLOGY						
HUMAN COMPUTER INTERACTION						
COMPUTER MODELS &LIMITATIONS						
KIDNEY/MAGNETIC NANOPARTICLE						
*** DEAN'S LIST ***						
CURRENT						
CUMULATIVE						
CLASS=2018 BS MAJ=CSC						
1 PHL	225W	4.0	A-			
1 PSY	101	4.0	A			
4 CSC	212	4.0	A			
4 CSC	280	4.0	A			
4 ECE	391	2.0	A			
HRS IN GPA						
HRS EARNED						
GPA						
18.00						
18.00						
3.93						
126.00						
3.63						

***** Continued on Next Page 11/26/18 *****



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Nancy C. Specht

University of Rochester - Official Transcript
 ID NO. BIRTH DATE
 KRAVITZ, ADAM 28709633 (MM/DD):07/08 SEX M
 ENTERED FROM: 1 ELEANOR ROOSEVELT HIGH SCHOOL ENTERED 09/14 MAJOR 1
 MAJOR 2 DEGREE HONORS AWARDED
 BS 05/20/18

COURSE TITLE	COL	SUBJ	CRSE	HRS	GRADE
FALL 2017 ENGR & APPLIED SCI			CLASS=2018 BS	MAJ=CSC	
NEUROPSYCHOLOGY	1	BCS	242	4.0	A-
ELEMENTS OF MUSIC	1	MUR	101	4.0	A
PROG LANGUAGE DESIGN & IMP.	4	CSC	254	4.0	A-
DESIGN&ANALYS IS EFFICIENT ALG	4	CSC	282	4.0	C-
KIDNEY/MAGNETIC NANOPARTICLE	4	ECE	391	2.0	A
CURRENT RANK	72%	HRS IN GPA	18.00	GPA	3.36
CUMULATIVE	70%	HRS EARNED	120.00		3.59

SPRING 2018 ENGR & APPLIED SCI	CLASS=2018 BS	MAJ=CSC		
PRINCIPLES OF ECONOMICS	1 ECO	108	4.0	A-
INTRO TO PUBLIC HEALTH II	1 PH	102	4.0	A-
NEURAL FOUNDATNS OF BEHAV	1 PSY	110	4.0	A-
DATA MINING	4 CSC	240	4.0	A
KIDNEY/MAGNETIC NANOPARTICLE	4 ECE	391	2.0	A
** DEAN'S LIST **	RANK	HRS IN GPA	HRS EARNED	GPA
CURRENT	69%	18.00	18.00	3.80
CUMULATIVE	66%	138.00	162.00	3.61

AWARDED DISTINCTION IN COMPUTER SCIENCE

***** End of Transcript 11/26/18 *****

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NANCY C. SPECCHI, UNIVERSITY REGISTRAR



KEY TO TRANSCRIPT GRADES AND SYMBOLS

Key to major codes at the University of Rochester can be found here: www.rochester.edu/registrar/transkey.html

UNDERGRADUATE STUDENT'S

Classification Codes

Code	Description
Numerals 00, 01, etc.	Year of expected graduation
CA	Part-time degree candidate
MT	Part-time degree candidate who has earned fewer credits than a CA
SNU	Special students or undergraduate student
T5	Matriculated student taking a special 5-yr. program of study
R1	Matriculated student completing degree requirements
SA	Non-University of Rochester student enrolled in a Study Abroad Program

Grading System (since Fall 1974)

Grade	Description	Quality Points
A	Excellent	4.0
A-		3.7
B+		3.3
B	Above Average	3.0
B-		2.7
C+		2.3
C	Minimum Satisfactory Grade	2.0
C-		1.7
D+		1.3
D		1.0
D-	Minimum Passing Grade	0.7
E	Failure	0.0
XE	Failed, Academic Dishonesty	—
S	Satisfactory—S/F Option	—
P	Satisfactory—faculty approved courses only	—
F	Fall—S/F Option and faculty-approved courses only	—
XF	Failed, Academic Dishonesty (S/F Course)	—
CR	Credit	—
NC	No Credit	—
I	Incomplete	—
AU	Audit	—
W	Drop Without Penalty	—
W _W	A "W" with a numeric suffix indicates the week the course was dropped	—
N	Grade Not Reported	—

GRADUATE STUDENTS

Classification Codes

G: Matriculated in a degree program except for students working toward the post-matriculator's certificate; these are designated as PMC in the degree field
N, NG: Nonmatriculated graduate student.

Number	Description
001-099	Non-credit courses
100-199	Introductory courses—undergraduate credit only
200-299	Advanced-level courses—undergraduate credit and graduate credit; when approved.
300-389	Study Abroad, experimental courses and others as designated by the faculty.
390	Supervised teaching
391	Independent study
392	Practicum
393	Senior Project
394	Internship
395	Independent Research
396	Senior Seminars
399	In Absentia
400-489	Graduate courses—master's level
490-499	Reading and Research courses—master's level
500-589	Graduate courses—doctoral level
590-599	Reading and Research courses—doctor's level
895-999	Special Categories

COURSE NUMBERING SYSTEM

Suffix Following a Course Number:

P: Participation course. A significant component of the required work in participation courses is carried forward beyond the University classroom.
Q: A research-based seminar course designed primarily for freshmen.
W: Course counts toward the upper-level writing requirement in the School of Arts & Sciences.
S: Seminar type with summer session except for William E. Simon Graduate School of Business Administration, which operates on a quarter system effective fall term 1982.

CALENDAR

Semester type with summer session except for William E. Simon Graduate School of Business Administration, which operates on a quarter system effective fall term 1982.

ACCREDITATION

The University of Rochester is accredited by the Middle States Association of Colleges and Schools/Commission on Higher Education. See official bulletins for other accreditations. CEEB Code: 002894

UNIT OF CREDIT

Undergraduate students are awarded four (4) semester hours of credit for each successfully completed course. Each four-credit course requires three 50-minute periods of classroom instruction per week plus independent study equivalent to a fourth period.

5	University College of Liberal & Applied Sciences (Prior to Fall 2013)
5	Bاستمان Institute for Oral Health (Fall 2013 and after)
6	Eastman School of Music
7	School of Medicine and Dentistry
8	School of Nursing

VALIDATION

Transcript is official only when it bears the signature of the Registrar and the seal of the University. This paper has a blue colored background.





Official Undergraduate Transcript

Name: Adam Kravitz
Student ID: 23276378

Print Date: 11/26/2018
SSN: XXX-XX-9191
Birthdate: 07/08

Send To: ADAM KRAVITZ
353 EAST 83RD STREET
APT 3H
NEW YORK, NY 100284357

Beginning of Undergraduate Record

2016 SU

Non Degree Undergraduate Major

Six Week - First (06/01/2016 - 07/13/2016)

Course	Description	Attempt	Earn	Grd
CHEM 22204	Organic Chemistry 1 (Lec)	4.00	4.00	B
CHEM 22300	Organic Chemistry 1 (Lab)	2.50	2.50	B+
CHEM 22301	Organic Chemistry 1 (Rec)	0.00	0.00	
Five Week - Second (07/18/2016 - 08/18/2016)				
Course	Description	Attempt	Earn	Grd
CHEM 22404	Organic Chemistry 2 (Lec)	0.00	0.00	W
Term GPA	3.115	Term Total:	6.50	6.50

Cumulative Totals

	Attempt	Earn
Cum GPA:	3.115	6.50
Transfer Cum GPA:	0.000	0.00
Comb Cum GPA:	3.115	6.50

End of Official Undergraduate Transcript

In accordance with the Family Educational Rights Act of 1974, as amended, this document may not be released to others without the written consent of the student.

This officially sealed and signed transcript has a purple background with the name of the college printed across the face.

AYLIN D. BRANDON, REGISTRAR

OFFICIAL TRANSCRIPT OF ACADEMIC RECORD

Patent #5,636,874

HUNTER

The City University of New York
695 Park Avenue • New York, NY 10065
(212) 772-4474
<http://registrar.hunter.cuny.edu>

TouchSafe®

HUNTER COLLEGE
of the City University of New York

Included with this Official Transcript is a pamphlet, which explains our grading system, entitled "Grading System & Transcript Key."

If you require a course description, recent College Catalogs are located on our website at:
<http://registrar.hunter.cuny.edu>

This transcript is to be considered official only if it bears the seal of Hunter College and the signature of the Senior Registrar. Also note that this Verify First *SafeImage*™ security paper is watermarked. Hold up to transit light to verify.

FOR QUESTIONS CONCERNING THIS TRANSCRIPT, PLEASE CONTACT:

HUNTER COLLEGE, C.U.N.Y.
Office of the Registrar
Transcript Unit
695 Park Avenue
New York, N.Y. 10065
(212) 650-3430

For courses completed prior to Fall 1980, course designations were numbers. (See attached if applicable.)

HUNTER COLLEGE GRADING SYSTEM

COMPUTABLE GRADES:

EFFECTIVE: SPRING 2000

GPA VALUES - CURRENT

Grade	Undergraduate	Graduate
A+	4.0	4.0
A	4.0	4.0
A-	4.0	3.7
B+	4.0	3.3
B	3.7	3.0
B-	3.3	2.7
B	3.0	3.0
B-	2.7	2.7
C+	2.3	2.3
C	2.0	2.0
D	1.0	N/A
F	0	0
WU	0	0
WN	0	0
FIN	0	N/A
FAB	0	N/A

In the School of Social Work the H, CR, NC grading system is mandatory. These grades carry no quality points. The assignment of traditional letter grades in the School of Social Work may be arranged by consultation with the instructor at the beginning of each semester. A grade of credit includes acceptable graduate level work equivalent to a B or A. The grade of Honor, rarely given, signifies unusual or outstanding work, well above the A level.

Incomplete/Absence Rule

A student who receives an "IN" grade in an undergraduate course must complete the work by the end of the semester following the one in which the course was taken whether or not the student is in attendance. If the work is not completed, the "IN" becomes a "FIN" grade. Exception: An "IN" grade received in Fall '75, Spring '77, Summer '77, or Fall '77 ONLY will remain a permanent "IN", provided course work was not completed by the eighth week of the following semester. A permanent "IN" cannot be made up and cannot become an "F". As of Fall 1988 the "AB" grade was discontinued. Students who received this grade prior to that date were expected to take a make-up examination. If the examination was not taken, the "AB" became a "FAB".

Hunter High School Credit

Course numbers which are followed by the letter "HS" or which appear under the heading "Hunter High School", are fully credited college level courses which are taken by Hunter High School students while they are still in high school.

- GPA VALUES -

Grade	Undergraduate	Graduate
Spring 96 - Fall 99		
Fall 96 - Present		
A+	4.0	4.0
A	4.0	4.0
A-	4.0	3.7
B+	3.0	3.3
B	3.0	3.0
B-	3.0	2.7
C+	2.0	2.3
C	2.0	2.0
D	1.0	N/A
F	0	0
WU	0	0
WN	0	0
FIN	0	N/A
FAB	0	N/A

- UNDERGRADUATE -

AB	Absent from final exam, discontinued Fall 1988
AJ	Auditor (No credit)
CR	Credit earned (equivalent to A, B, C)
*F	Course retaken; not included in both semester and cumulative GPA; discontinued Fall 1999
#F	Course retaken; not included in cumulative GPA, included in semester GPA

*FA	Course retaken; former FAB not included in cumulative GPA, included in semester GPA
#FI	Course retaken, former FIN, not included in both semester and cumulative GPA, discontinued Fall 1999
#FI	Course retaken, former FIN, not included in both semester and cumulative GPA, included in semester GPA
IN/INC	Incomplete
NC	No Credit granted (equivalent to D, F)
R	No Credit - must repeat
W	Withdraw without prejudice
WA	Immobilization not proven - implemented Fall 1995
WU	Unofficial Withdrawal - failure; effective Fall 2008
	failure and denotes attendance of at least one class session
*WU	Course retaken; not included in both semester and cumulative GPA; discontinued Fall 1999
#WU	Course retaken; not included in cumulative GPA, included in semester GPA
WN	Never attended
#WN	Course retaken; not included in cumulative GPA, included in semester GPA
Y	Year course
Z	No grade submitted

- GRADUATE -	
P	Satisfactory completion, used only for thesis research or equivalent course where required in the particular graduate program
H	Honors
IN/INC	Incomplete
CR	Credit (equivalent to A, B)
W	Withdrawal without prejudice
NC	No Credit (equivalent to C, F)
WA	Immobilization not proven - implemented Fall 1995
Z	No grade submitted

Office of the Registrar

One Bernard Baruch Way

New York, NY 10010-5585

646-312-1150 - Office

646-312-1151 - Fax

www.baruch.cuny.edu/registrar

357525

Page 1 of 1

Official Undergraduate Transcript

Name: Adam Kravitz
Student ID: 23276378

Print Date: 08/21/2015
SSN: XXX-XX-9191
Birthdate: 07/08

Send To: ADAM KRAVITZ
353 EAST 83RD STREET
APTAMENT 3H
NEW YORK, NY 10028-4357

----- Beginning of Undergraduate Record -----
2015 SU

Non Degree Undergraduate Major

Six Week - First (06/01/2015 - 07/09/2015)

Course	Description	Attempt	Earn	Grd
BIO 2010	Princ Of Biology I	4.50	4.50	A

Req Designation: Flexible Core - Scientific World

Five Week - Second (07/13/2015 - 08/13/2015)

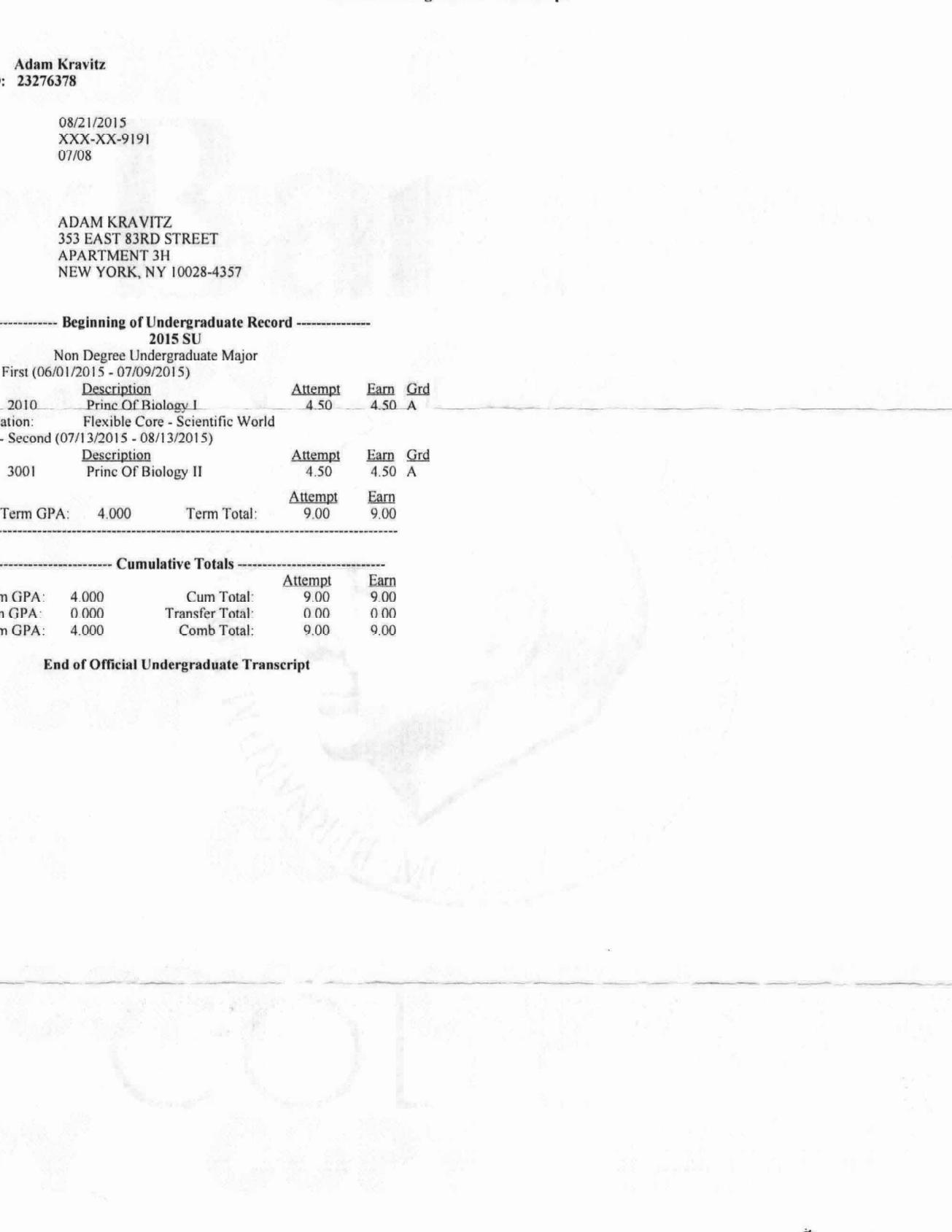
Course	Description	Attempt	Earn	Grd
BIO 3001	Princ Of Biology II	4.50	4.50	A

Term GPA: 4.000 Term Total: 9.00 Attempt: Earn: 9.00

----- Cumulative Totals -----

Cum GPA:	4.000	Cum Total:	9.00	Earn
Transfer Cum GPA:	0.000	Transfer Total:	0.00	0.00
Comb Cum GPA:	4.000	Comb Total:	9.00	9.00

End of Official Undergraduate Transcript


Edward D. Fer
Senior Registrar

THE UNIVERSITY

Baruch College is one of eleven senior colleges of the City University of New York (CUNY), the largest urban public university in the nation. The college's history began in 1847 when The Free Academy, the nation's first tuition-free public college was established. In 1919, the School of Business and Civic Administration was established as part of the College of the City of New York and in 1953 was renamed the Baruch School. In 1968, Baruch College became an independent senior college.

Baruch College offers undergraduate and graduate programs of study leading to BA, BBA, BS, MA, MBA, MPA, MS, MSEd, and MSILR degrees through the Zicklin School of Business, the Weissman School of Arts and Sciences, and the School of Public Affairs. Prior to the fall 2000 semester, the College also offered the BS in ED degree.

ACCREDITATION

Baruch College is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Accreditation. The baccalaureate and the master's programs of Baruch College's Zicklin School of Business are accredited by AACSB International—The Association to Advance Collegiate Schools of Business. In addition to the business programs accreditation, both the undergraduate and graduate accountancy curricula have been awarded the accounting accreditation from that accrediting body. The master's programs in public administration of the School of Public Affairs are accredited by the National Association of Schools of Public Affairs and Administration (NASPAA).

GRADING SYSTEM

Prior to 1974	1974-1982	1982 – Present
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GRADE	GRADE	GRADE	GRADE POINT EQUIVALENT	EXPLANATION
A	A	A	4.0	Excellent
--	--	A -	3.7	
--	--	B +	3.3	
B	B	B	3.0	
--	--	B -	2.7	
--	--	C +	2.3	
C	C	C	2.0	Average
--	--	C -	1.7	
--	--	D +	1.3	
D	D	D	1.0	
F	F	F	0.0	Minimum Passing Grade
J ¹	W ¹	W ¹	--	Failure
--	--	WA ¹	--	Withdrew without penalty
G ²	WF ²	WF ²	0.0	Administrative withdrawal
H ²	WU ²	WU ²	0.0	Withdrew failing
--	--	WU	0.0	Dropped by instructor due to excessive absences
--	--	WN	0.0	Never Attended
--	--	*WN	0.0	(discontinued) eff. Fall 2009
--	--	WN	0.0	Never Attended (effective fall 2009); Discontinued as of Summer 2014
--	--	WN	0.0	Never Attended; reinstated effective Fall 2014
P ³	P ³	P ³	--	Pass
R ²	R ²	R ²	--	Repeat-remedial course
NC	NC	NC	--	No credit granted
CR	CR	CR	--	Credit
--	Y	Y	--	Course in progress
LG	Z	Z	--	No grade submitted
(X%)	(ABS)	--	--	Discontinued 09/2008
(I%)	INC	INC	--	Terms work incomplete
I/X	ABS/INC	ABS/INC	--	Incomplete/Absence from final
--	--	FIN	0.0	Failing grade from Unresolved/INC
--	--	FAB	0.0	Failing grade absent from final. Discontinued 09-2008
E ²	PEN ²	PEN ²	--	Grade pending/Academic Integrity
		FPN		Failing grade from unresolved PEN
--	--	NC	--	No credit
L	AUD	AUD	--	Listener/Auditor

NOTES:

¹ Non-prejudicial grade of withdrawal, both graduate and undergraduate.

² The grades of WF, WU, and R are undergraduate grades only. The grade of P can be used for undergraduates in the Weissman School of Arts and Sciences. It can also be used in the graduate courses: Research Methodology, Thesis, and Thesis Alternative.

GRADING SYMBOLS

Grades which have been replaced by the repetition of the course under the Forgiveness Policy are shown as #F, #FI, #FA, #FP, #WU, #WN, and #WF.

Grades proceeded by the symbol * (e.g. *A) are not computed in the student's grade point average and are not calculated in the credits earned toward the degree.

COURSE NUMBERING

Course Numbered	Level
0000-699	Undergrad remedial; no credit
(U) 100-999	Grad courses
1000-1999	Introductory; no prerequisites
2000-2999	Introductory; require some past preparation either in high school or college
3000-3999	Intermediate; prerequisites required
4000-4999	Advanced; prerequisites required
5000-5999	Senior; seminars and training programs
6000-6999	Honors level only
7000-7999	Transfer course equivalents
8000-9999	Graduate courses
99001-99999	Graduate courses, specifically, courses in Research Methodology, Thesis, or Thesis Alternative

DEAN'S LIST

A full-time matriculated student must maintain an average of at least 3.5 in all subjects in a program of at least 12 credits per semester for two consecutive semesters of attendance (fall and spring of the same academic year, or spring and fall of two consecutive academic years, not including overlapping semesters). To be included on the Dean's List, a part-time matriculated student must maintain an average of at least 3.5 in all subjects in a program of at least 24 credits taken in a maximum of four consecutive semesters (not including overlapping semesters). P grades and credits are not included in the calculation.

GRADUATION HONORS (Effective Fall 2004 – present)

- Summa Cum Laude 3.85 – 4.0
- Magna Cum Laude 3.75 – 3.84
- Cum Laude 3.5 – 3.74

Students must complete at least 56 credits at Baruch College. Grades earned at other colleges are computed with the Baruch grades. The lower of the two indexes (Baruch or combined) determines the graduation honors.

FORGIVENESS POLICY

Effective fall 1990, undergraduate students may replace a maximum of 16 credits of failing grades if the same courses are repeated with a minimum grade of C. Will not retroactively effect pre-existing academic status.

Effective fall 1990, graduate students may replace one failing grade if the grade received in the repeated course is a minimum of B-.

Grades which have been replaced by the repetition of the course under the Forgiveness Policy are shown as #F, #FI, #FA, #FP, #WU, #WN, and #WF.

In accordance with the UGC 438 (0) (4) (0) (The Family Educational Rights and Privacy Act of 1974) you are hereby notified that this information is provided upon the condition that you, your agent or employees will not permit any other party access to this record without consent of the student. Alteration of this transcript may be a criminal offense.

[Search the website](#)[Pages](#) / Baruch College Undergraduate Bulletin - Fall 2017 / Spring 2018 / Policies and Procedures

Letter Grades and Grade Point Equivalents



The following tables list the grades that are used at Baruch College and show how they are calculated to determine the grade point average (GPA), or index.

See explanation of how to compute your GPA

Letter Grades and Grade Point Equivalents

Baruch uses a 4.0 grade point average (GPA) calculation to determine a student's academic standing.

Grade	Grade Point Equivalent	Percentage Equivalent
A	4.0	93.0-100.0
A-	3.7	90.0-92.9
B+	3.3	87.1-89.9
B	3.0	83.0-87.0
B-	2.7	80.0-82.9
C+	2.3	77.1-79.9
C	2.0	73.0-77.0
C-	1.7	70.0-72.9
D+	1.3	67.1-69.9
D	1.0	60.0-67.0
F	0.0	below 60.0

Explanation

Excellent (A, A-).

Very good (B+, B, B-).

Average (C+, C).

Poor (C-, D+, D).

Failure (F). See the policy on the repetition of failing grades.

Additional Grades

The following grades are also used on the transcript. A definition of each of these grades appears below.

INC	Given only when the student has earned an average term grade of 50 percent or better for work already completed, but the term's work is incomplete and the instructor agrees that the reason for the lateness is valid. Completed assignments must be handed in to the instructor so that the grade can be resolved by the end of the final examination period of the subsequent semester, or it becomes a grade of FIN, the equivalent of F.
P	Only allowed to students in the Weissman School of Arts and Sciences. Read Pass/Fail option in the Undergraduate Guide to Academic Policies and Procedures and follow the proper procedure. This grade is also used when you complete an ESL course. The P grade is not included in GPA calculation.
W	Assigned to students who officially drop a course after the refund period and prior to the completion of two-thirds of the semester.
R	Course must be repeated until minimum proficiency is attained. Given in noncredit ESL courses.
AUD	Only for nondegree students (an auditor or listener in the class). No credit granted.
CR	Credit earned (transfer credits, business experience, military service, or exemption credit). Grades in these courses are not included in computation of the scholastic index or in computing class standing. These grades are included to determine eligibility for graduation honors.
Y	An intermediate grade assigned after the first of a two semester, or the first two of a three-semester, Honors sequence to signify work in progress. (Honors courses are numbered 6001H, 6002H, and 6003H.) The Y grade is not included in calculating the grade point average. Each Y grade is replaced by the earned letter grade when the sequence has been completed.
Z	No grade submitted by the instructor (the Z grade is assigned by the Registrar's Office).
PEN	Pending. The PEN grade may be used only when a grade is under review by the academic committees for possible infraction of academic integrity standards.
WA	Administrative withdrawal, given when a student fails to document compliance with New York State Public Health Law 2165 regarding measles, mumps, and rubella within 30 days of registration (45 days for international students). This grade does not carry academic penalty.
WN	Assigned to students who never attended and did not officially withdraw. Non-punitive.
WU	Withdrew unofficially. Student attended at least one (1) class session. A WU may not be assigned if a student has taken the final examination.

No labels

Your free trial of **Gliffy** has **expired**. To create additional diagrams and support the development of this product please purchase a license.

Adam J. Kravitz

353 East 83rd Street • Apt. 3H • New York, NY 10028 • (Home) 212-249-2625 • (Cell) 917-684-5351 • ajkrav@gmail.com

Education

University of Rochester

Bachelor of Science *with Distinction* | Major-Computer Science | Minor-Psychology

Rochester, NY

May 2018

Wilder Trustee Scholar

GPA: 3.61/4.0

Dean's List

Relevant Coursework

- *Computer Science*: Artificial Intelligence, Computation and Formal Systems, Computer Models and Limitations, Computer Organization, Data Mining, Design and Analysis of Efficient Algorithms, Human Computer Interaction, Programming Language Design and Implementation, The Science of Programming, The Science of Data Structures, Web Programming
- *Mathematics*: Calculus, Discrete Mathematics, Elements of Probability and Mathematical Statistics, Linear Algebra with Differential Equations
- *Natural Sciences*: Chemical Concepts, Organic Chemistry, Principles of Biology
- *Social Sciences*: Foundations of Cognitive Science, Introduction to Psychology, Neural Foundations of Behavior, Neuropsychology, Social and Emotional Development, Social Psychology and Individual Differences, Theories of Personality and Psychotherapy
- *Humanities*: Ethical Decisions in Medicine, Ethics, Introduction to Public Health

Experience

University of Rochester

Parametric Imaging Research Laboratory

Rochester, NY

January 2017-May 2018

Research Assistant

- Assisted on the “Model Carotid Artery Fabrication Study” modeling both stiffness and correct anatomy of a bisected carotid artery, to emulate implanted soft tissue plaque in the artery for ultrasound imaging and elastography. Created phantoms of multiple concentrations and formats to be used in shear-wave analysis.
- Assisted on the “Rabbit Kidney Elastography Study” investigating whether ultrasound elastography can be used to distinguish between diseased and healthy specimens. Received kidney specimens and encased them in a gelatin solution. Took scans, recorded and processed data with ultrasound machine. Coordinated, researched and developed new techniques and approaches for the experiments. Cleaned labware and assisted other lab members.

New York Presbyterian-Weill Cornell Medicine

Department of Radiology, Research

New York, NY

Summer 2017

Volunteer

- Conducted statistical analyses applying t-test and ANOVA using values from shear-wave elastography involving the cortex of healthy kidneys from ultrasound examinations of adults.
- Interpreted data, generated graphs using box and whisker, Bland-Altman plots and Intra Class Correlation (ICC) measurements using Excel spreadsheets. Created templates which allowed researchers to input data to generate statistical tests and graphs.
- Researched and summarized study references.

New York Presbyterian-Weill Cornell Medicine

Department of Nephrology, Hypertension and Transplantation Medicine

New York, NY

Summer 2016

Shadow

- Shadowed Fellows and attending physicians focusing on patients with a wide variety of complex kidney diseases. Observations included: biopsies, dialysis, transplant support, and post-transplant support.

Technical Skills and Certification

- Programing Languages: C, CSS, HTML, Java, JavaScript, MIPS Assembly, VBA, Python, Scheme and SQL
- CPR and AED Certified (Adult, Child and Infant) American Safety Health Institute

Projects

ventUR

- Worked as part of team to create a web application that connects students for informal gatherings; wrote JavaScript code to make AJAX calls to the database.
- Wrote additional code for both the backend and frontend of the application using HTML, CSS, JavaScript, Python and SQL

Adam J Kravitz

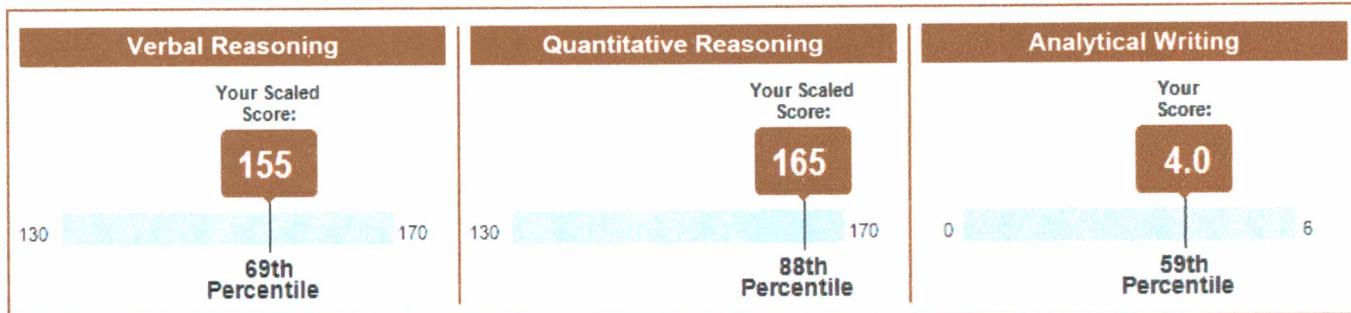
Most Recent Test Date: December 4, 2018

Address: 353 E 83rd St Apt 3H, New York, NY, 10028-4357 United States

Registration Number: 4608315
Print Date: December 27, 2018

Email: ajkrav@gmail.com
 Phone: 1-212-249-2625
 Date of Birth: July 8, 1996
 Social Security Number (Last Four Digits):
 Gender: Male
 Intended Graduate Major: Computer Science (0402)

Your Scores for the General Test Taken on December 4, 2018



Your Test Score History

General Test Scores

	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
Test Date	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
December 4, 2018	155	69	165	88	4.0	59
November 7, 2018	156	73	162	80	4.0	59
December 26, 2017	152	56	168	94	4.0	59

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date
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Northwestern | THE GRADUATE SCHOOL

Recommendation Form

The Graduate School Northwestern University Evanston, IL 60208-1113

Applicant Name: **Adam Kravitz**

Program: **Computer Science: MS**

Applicant Waived Rights*: **This applicant has waived the right to view their recommendation.**

Recommender Name: **MARVIN DOYLEY**

Organization Name: **University of Rochester**

Title: **Associate Professor**

E-mail Address: **m.doyley@rochester.edu**

Telephone Number: **585-275-3774**

Relationship to Applicant: **Research advisor**

Certification (Date): **12-11-2018**

*“Public Law 93-380, Educational Amendments Act of 1974, grants students the right to have access to letters of recommendation in their placement files. By selecting the "Waive access" option you are waiving access to these letters.”

Electrical and Computer Engineering
PO Box 270231
Rochester, NY 14627-0231



December 11, 2018

Dear Colleagues,

It is my pleasure to provide this letter in support of Adam Kravitz's application for graduate studies. I have known Adam since the beginning of 2017; I served his research advisor for a semester.

Adam is a bright and dedicated student who worked with two of our lab teams. He assisted our vascular elastography team by creating a variety of 3D phantoms for vascular imaging. He also assisted our kidney elastography team by preparing rabbit kidney specimens for scanning, actually performing the scans, and processing resultant data.

I was very impressed with Adam's hands-on experimental ability, particularly as a student pursuing a computer science degree with very little wet lab experience. He came up to speed very quickly on lab processes and procedures, and went above and beyond by suggesting novel techniques and assisting in their implementation.

Adam has developed a significant skill set: he is theoretically, computationally, and experimentally competent. I give him my strong recommendation, without reservation. He will excel in a rigorous graduate program. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "M. Doyley".

Marvin M. Doyley, PhD
Associate Professor
University of Rochester
Hajim School of Engineering and Applied Sciences
Departments of Electrical & Computer Engineering and Biomedical Engineering
Computer Studies Building 723, Box 270231
Rochester, NY 14627-0231
Telephone +1 (585) 275-3774, Fax +1 (585) 275-2073
E-mail: m.doyley@rochester.edu
Web site: <http://www.hajim.rochester.edu/ece/sites/doyley/index.html>

Recommendation Form

The Graduate School Northwestern University Evanston, IL 60208-1113

Applicant Name: **Adam Kravitz**

Program: **Computer Science: MS**

Applicant Waived Rights*: **This applicant has waived the right to view their recommendation.**

Recommender Name: **Ehsan Hoque**

Organization Name: **University of Rochester**

Title: **Assistant Professor**

E-mail Address: **mehoque@cs.rochester.edu**

Telephone Number: **585-275-1351**

Relationship to Applicant: **Professor**

Certification (Date): **12-10-2018**

*“Public Law 93-380, Educational Amendments Act of 1974, grants students the right to have access to letters of recommendation in their placement files. By selecting the "Waive access" option you are waiving access to these letters.”

November 29, 2018

Dear colleagues,

I am happy to write a letter for Adam Kravitz for his graduate application.

I have known Adam since Spring of 2017 when he took a class called Human-Computer Interaction (HCI) with me. The class had more than 60 students. However, Adam remains very memorable as he constantly sat in the front row and always asked a lot of questions.

HCI is one of the largest classes in the department of Computer Science where more than half of the students are non-computer science majors including electrical and computer engineering, biomedical engineering, economics, business, digital media studies, studio art, among many. While the Computer Science students are challenged by being exposed to the fundamental issues on design, non-computer science students are challenged with the expectation of rapidly prototyping the design ideas. For the final project, 4-5 students work together for two months towards a large project. We pair students with complementary skill sets (e.g., students with design background work with students with computer programming background) so that everyone has a unique role to play in the project.

In the class, Adam consistently performed well in the midterm, assignments as well as on the quizzes earning a solid A. For his final project, Adam worked with a team of individuals on a project called URBUS. The team noticed that the University of Rochester did not have an application that could track the campus buses in real-time. Having an app allowing students to track the campus buses would allow them to plan better and save a lot of time. The team used Google MAP api to build the system and deployed it for students to use. Many students at the university continued to use the app and benefitted from it.

While the work was done as part of a team, here are few anonymous comments left for Adam by his peers on his contributions.

- Always the first one to get started on something. Definitely a hard worker and shared most of the needfinding/prototyping/poster/presentation/video/everything-but-engineering with me
- Took the lead on all things that needed to be written up. He was always the first to start designing presentations as well as the poster. Was a great help in the collection of user information and beta testing.
- He and Sam took charge of the less-technical aspects of the project, and were always timely, energetic, helpful, and a nice resource.

In Summary, Adam left a positive impression in my class and it is clear that he is motivated to pursue graduate studies.

If you have any questions on Adam Kravitz, please do not hesitate to email me at mehoque@cs.rochester.edu or call me on my phone at 814-218-9449



M. Ehsan Hoque, Ph.D.
Assistant Professor of Computer Science
University of Rochester

For those unfamiliar with my background, I am an assistant professor of computer science, where I direct the Rochester Human-Computer Interaction (ROC HCI) Group. My research focuses on understanding and modeling the unwritten rules of human communication, with applications in business communication, health, and educational assessment technology. I received my Ph.D. in 2013 from the Massachusetts Institute of Technology. I was humbled to have received four Best Paper Awards and Nominations at the ACM Pervasive and Ubiquitous Computing, Affective Computing and Intelligent Interaction (ACII), IEEE Automated Face and Gesture Recognition (FG) and Intelligent Virtual Agents (IVA), the MIT Technology Review Top Innovators Under 35 (TR35) Award (2016), World Technology Award (2016), Science News 10 Scientists to Watch (2017), NSF CAREER Award (2018) and the Google Faculty Research Award (2014, 2015).

So far I have supervised over 35 undergraduate students. Some of them have gone on to graduate studies at Stanford University, Cornell University, UCSD, UCLA, University of Washington, Harvard Medical School, MIT Lincoln Lab, and to companies such as Apple, Google, Intel, Oracle, and Quora.

Northwestern | THE GRADUATE SCHOOL

Recommendation Form

The Graduate School Northwestern University Evanston, IL 60208-1113

Applicant Name: **Adam Kravitz**

Program: **Computer Science: MS**

Applicant Waived Rights*: **This applicant has waived the right to view their recommendation.**

Recommender Name: **Jing Gao**

Organization Name: **Rocky Vista University**

Title: **Associate Professor**

E-mail Address: **jgao@rvu.edu**

Telephone Number: **435-222-1291**

Relationship to Applicant: **mentor**

Certification (Date): **12-20-2018**

*“Public Law 93-380, Educational Amendments Act of 1974, grants students the right to have access to letters of recommendation in their placement files. By selecting the "Waive access" option you are waiving access to these letters.”



ROCKY VISTA UNIVERSITY

Achieving new heights in medical education

Letter of recommendation

To Who It May Concern:

I am writing to recommend Adam Kravitz for your master's program for the Fall of 2019.

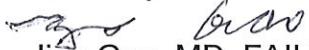
Adam worked under me in the summer of 2017 as a Research Volunteer at New York Presbyterian-Weill Cornell Medicine in New York in the Department of Radiology where I was an Assistant Research Professor of Radiology. Adam was responsible for conducting statistical analyses, interpreting data, and generating graphs for a kidney study that I was conducting. Adam created input data sheets to enable researchers to work more efficiently and simply when generating statistical tests and graphs. He also assisted by summarizing study references

Adam is a strong and meticulous statistician with a strong interest in medicine. Throughout his time with us, Adam worked very quickly and creatively on his assignments, and was always willing to help others when he had extra time. Adam is also very perceptive, willing to share his thoughts and ask insightful questions. In my time with him, he was unafraid to seek help and is open to feedback and constructive criticism. Adam was an absolute pleasure to work with and I highly recommend him for your graduate program.

On a personal note, Adam displayed professionalism and poise throughout the summer which was unfortunately filled with many family stresses.

If you have any questions at all, please feel free to contact me.

Sincerely,


Jing Gao, MD, FAIUM

Director of Ultrasound Research and Education
Associate Professor of Ultrasound Rocky Vista University
255 E. Center Street
Room: C286
Ivins, UT 84738
Tel: (435) 222-1291
Email: jgao@rvu.edu

11/30/2018