

1210 LSA Building
500 S. State Street
Ann Arbor, MI 48109-1382
Phone: 734-763-9066 Fax: 734-764-5556
ro.umich.edu

University of Michigan Statement of Authenticity

Transcript of: Aaron Scott Barber

This official transcript has been transmitted electronically to the recipient, and is intended solely for use by that recipient. If you are not the intended recipient, please notify the Transcripts, Certification and Diploma Department at the University of Michigan. It is not permissible to replicate this document or forward it to any person or organization other than the identified recipient. Release of this record or disclosure of its contents to any third party without written consent of the record owner is prohibited.

This official transcript has been digitally signed and therefore contains special characteristics. If this document has been issued by the University of Michigan, and for optimal results, we recommend that this document is viewed with the latest version of Adobe® Acrobat or [Adobe® Reader](#); it will reveal a digital certificate that has been applied to the transcript. This digital certificate will appear in a pop-up screen or status bar on the document, display a blue ribbon, and declare that the document was certified by the University of Michigan with a valid certificate issued by GeoTrust CA for Adobe®. This document certification can be validated by clicking on the Signature Properties of the document.



The blue ribbon symbol is your assurance that the digital certificate is valid, the document is authentic, and the contents of the transcript have not been altered.



If the transcript is opened using Adobe Acrobat, and does not display a valid certification and signature message, reject this transcript immediately. An invalid digital certificate display means either the digital signature is not authentic, or the document has been altered. A document with an invalid digital signature display should be rejected.



Lastly, one other possible message, Author Unknown, can have two possible meanings: The certificate is a self-signed certificate or has been issued by an unknown or untrusted certificate authority and therefore has not been trusted, or the revocation check could not complete. If you receive this message make sure you are properly connected to the internet. If you have a connection and you still cannot validate the digital certificate on-line, reject this document.

The transcript key and guide to transcript evaluation is the last page of this document.

The current version of Adobe® Reader is free of charge, and available for immediate download at <http://www.adobe.com>.

If you require further information regarding the authenticity of this transcript, you may email or call the Transcripts, Certification and Diploma Department at the University of Michigan at ro.transcript.orders@umich.edu or 734-763-9066.

UNIVERSITY OF MICHIGAN DEGREES AWARDED				Fall 2013	Undergraduate											
					Engineering	Grade	Hours	MSH	CTP	MHP						
SCHOOL/COLLEGE:	Engineering			ENGR	100	Intr Engineering	A	4.00	4.00	4.00						
						Music Signal Processing										
				MATH	217	Linear Algebra	A	4.00	4.00	4.00						
				PHYSICS	240	General Physics II	A-	4.00	4.00	4.00						
				PHYSICS	241	Elem Lab II	A+	1.00	1.00	1.00						
MAJOR:	Computer Science			PHYSICS	241	Elem Lab II	A+	1.00	1.00	1.00						
				UC	280	Undergrad Research	A	3.00	3.00	3.00						
DEGREE:	Bachelor of Science in Engineering in Computer Sci,			Term Total	GPA:	3.925	16.00	16.00	16.00	62.80						
Summa Cum Laude																
AWARDED:																
28-APR-2016																
NON-UNIVERSITY OF MICHIGAN ACADEMIC EXPERIENCE				Winter 2014	Undergraduate											
					Engineering	Grade	Hours	MSH	CTP	MHP						
OAKLAND COMMUNITY COLL				CHEM	125	Gen Chem Lab I	A	1.00	1.00	1.00						
				CHEM	126	Gen Chem Lab II	A	1.00	1.00	1.00						
				CHEM	130	G Chem&R Princ	A	3.00	3.00	3.00						
				EECS	203	Discrete Math	A	4.00	4.00	4.00						
				EECS	280	Prog&Data Struct	A+	4.00	4.00	4.00						
BLOOMFIELD HILLS	MI 48304			UC	280	Undergrad Research	A	3.00	3.00	3.00						
				Term Total	GPA:	4.000	16.00	16.00	16.00	64.00						
ADVANCED PLACEMENT AND EXAMINATION CREDIT																
				CREDITS												
ECON	101X DEPARTMENTAL		2.00													
ECON	102X DEPARTMENTAL		2.00													
EECS	285 PROG LANG OR SYST		2.00													
ENGCMPTC	101X DEPARTMENTAL		3.00													
MATH	120 AP CALCULUS CREDIT I		4.00													
MATH	121 AP CALCULUS CRED II		4.00													
PHYSICS	140 GENERAL PHYS I		4.00													
PHYSICS	141 ELEM LAB I		1.00													
PSYCH	111 INTRO PSYCH		4.00													
SPANISH	101 ELEMENTARY		4.00													
SPANISH	102 ELEMENTARY		4.00													
STATS	101X DEPARTMENTAL		4.00													
BEGINNING OF UNDERGRADUATE RECORD				MSH	CTP	MHP										
Transfer Course Credit Accepted towards				0.00	50.00	0.00										
Undergraduate Engineering																
Continued on next column																

Fall 2014 Undergraduate							Winter 2016 Undergraduate								
		Engineering	Grade	Hours	MSH	CTP	MHP			Engineering	Grade	Hours	MSH	CTP	MHP
EECS	281	Data Struct&Algor	A	4.00	4.00	4.00	16.00	EECS	481	Software Engin	A+	4.00	4.00	4.00	16.00
EECS	370	Intro Computer Org	A	4.00	4.00	4.00	16.00	EECS	496	Major Design/Prof	A	2.00	2.00	2.00	8.00
EECS	399	Directed Study	A	2.00	2.00	2.00	8.00	EECS	588	Comp Netwk Security	A	4.00	4.00	4.00	16.00
SOC	344	Marriage&Family	P	4.00	0.00	4.00	0.00	TCHNCLCM	497	Adv Tch Com for CS	A	2.00	2.00	2.00	8.00
STATS	412	Intro Prob Stat	A	3.00	3.00	3.00	12.00	Term Total GPA: 4.000 12.00 12.00 12.00 48.00							
TCHNCLCM	300	Tech Comm for EE&CE	A-	1.00	1.00	1.00	3.70	Undergraduate Engineering							
Term Total			GPA:	3.978	18.00	14.00	18.00	55.70	Cumulative Total GPA: 3.951 81.00 139.00 320.10						
Winter 2015 Undergraduate							UNDERGRADUATE REMARKS								
		Engineering	Grade	Hours	MSH	CTP	MHP								
EECS	376	Foundatns Comp Sci	A-	4.00	4.00	4.00	14.80	20-DEC-2013	UNIVERSITY HONORS						
EECS	492	Intro Art Intell	A-	4.00	4.00	4.00	14.80	31-DEC-2013	DEAN'S LIST						
PHIL	160	Moral Prin & Prob	P	4.00	0.00	4.00	0.00	30-APR-2014	DEAN'S LIST						
PHYSICS	415	Ug Special Problems	A+	3.00	3.00	3.00	12.00	01-MAY-2014	UNIVERSITY HONORS						
Term Total			GPA:	3.781	15.00	11.00	15.00	41.60	19-DEC-2014	UNIVERSITY HONORS					
Fall 2015 Undergraduate							31-DEC-2014 DEAN'S LIST								
		Engineering	Grade	Hours	MSH	CTP	MHP								
EECS	388	Intro Comp Security	A	4.00	4.00	4.00	16.00	15-MAR-2015	JAMES B. ANGELL SCHOLAR						
EECS	482	Intro Oper System	A	4.00	4.00	4.00	16.00	31-DEC-2015	DEAN'S LIST						
EECS	485	Web Dbase Info Sys	A	4.00	4.00	4.00	16.00	30-APR-2016	DEAN'S LIST						
Term Total			GPA:	4.000	12.00	12.00	12.00	48.00	END OF UNDERGRADUATE RECORD						
BEGINNING OF GRADUATE RECORD															
Continued on next column															
Continued on page 3															

STUDENT NAME

STUDENT ID NUMBER

CONTROL NUMBER

DATE ISSUED

2066106823

STATE OF MICHIGAN UIC

ISSUED TO STUDENT

UNIVERSITY OF MICHIGAN
OFFICE OF THE REGISTRAR - ANN ARBOR, MI 48109-1382



Paul Robinson
University Registrar

Fall 2016	Rackham	Grade	Hours	MSH	CTP	MHP
Elections as of 08/26/16						
ECON	409 Game Theory		4.00	0.00	0.00	0.00
EECS	583 Advanced Compilers		4.00	0.00	0.00	0.00
EECS	595 Nat Lang Proc		3.00	0.00	0.00	0.00
Total Elected Term Hours		0.000	11.00	0.00	0.00	0.00

Rackham

END OF GRADUATE RECORD

End of Transcript

Total Number of Pages 3



YOU, YOUR AGENTS, OR EMPLOYEES WILL NOT PERMIT ANY OTHER PARTY ACCESS TO THIS RECORD WITHOUT CONSENT OF THE STUDENT

IN ACCORDANCE WITH THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974.

ANY ALTERATION OR MODIFICATION OF THIS RECORD OR ANY COPY THEREOF MAY CONSTITUTE A FELONY AND/OR LEAD TO STUDENT DISCIPLINARY SANCTIONS.

This Transcript is printed on security paper with a blue background
and the seal of the University of Michigan. A raised seal is not required.

A BLACK AND WHITE TRANSCRIPT
IS NOT AN ORIGINAL

TRANSCRIPT GUIDE

DEFINITION OF AN OFFICIAL TRANSCRIPT

An Official Transcript is one that has been received directly from the issuing institution. It must bear the University seal, date and signature of the registrar. Transcripts received that do not meet these requirements should not be considered official and should be routinely rejected for any permanent use. This definition of an official transcript has been endorsed by the Michigan Association of Collegiate Registrars and Admissions Officers.

ACCREDITATION

The three campuses of the University of Michigan are accredited by the North Central Association of Colleges and Schools - Higher Learning Commission. Many of the departments and programs within the University are also accredited by various agencies. Detailed information about these agencies and the accreditation process is available from the Dean's office of each academic unit.

CALENDAR

The University of Michigan operates under the trimester calendar. A unit of credit is a semester hour.

ELIGIBILITY FOR ENROLLMENT

Unless otherwise indicated, a student is eligible to enroll.

EXPLANATION OF COLUMN HEADINGS

HRS = Elected Hours/Units; MSH = GPA Semester Hours; CTP = Credit Toward Program; MHP = GPA Honor Points.

ABBREVIATIONS FOR CREDIT CONDITIONS

AGC = Approved for Graduate Credit; CBE = Credit by Exam; DCO = Degree Credit Only; NDC = Not for Undergraduate degree credit; NFC = Not for Credit; NGD = Not for Graduate Degree Credit; REP = Repetition.

STUDY ABROAD

Study abroad credit is considered upper level unless otherwise noted.

LETTER GRADES

9.0 GRADING SCALE (A+ through B = Pass unless otherwise noted)

A+ = 9.0; A = 8.0; A- = 7.0; B+ = 6.0; B = 5.0; B- = 4.0; C+ = 3.0; C = 2.0; C- = 1.0; D+ = 0.0; D = 0.0; D- = 0.0; E = 0.0.

4.4 GRADING SCALE

A+ = 4.4; A = 4.0; A- = 3.7; B+ = 3.4; B = 3.0; B- = 2.7; C+ = 2.4; C = 2.0; C- = 1.7; D+ = 1.4; D = 1.0; D- = 0.7; E = 0.0.

4.3 GRADING SCALE

A+ = 4.3; A = 4.0; A- = 3.7; B+ = 3.3; B = 3.0; B- = 2.7; C+ = 2.3; C = 2.0; C- = 1.7; D+ = 1.3; D = 1.0; D- = 0.7; E = 0.0.

4.0 GRADING SCALE

A+ = 4.0; A = 4.0; A- = 3.7; B+ = 3.3; B = 3.0; B- = 2.7; C+ = 2.3; C = 2.0; C- = 1.7; D+ = 1.3; D = 1.0; D- = 0.7; E = 0.0.

ADDITIONAL GRADES

EX = EXCELLENT; GD = GOOD; PS = PASS; LP = LOW PASS; F = FAIL (EX, GD, PS and LP = Pass)

CR = Credit; NC = No credit; S = Satisfactory; U = Unsatisfactory; P = Pass; F = Fail;

I = Incomplete (I OR IL followed by a letter grade indicates an initial incomplete that has been given a final grade.); NR = No grade reported;

= Grade not submitted; ED = Unofficial drop; VI = Audit or Visit; W = Withdrew from course; Y = Extended multi-term class

M = Marginal; IPL = Incomplete Permanent Lapse

COMPUTATIONS FOR TERM OR CUMULATIVE GPA: Term GPA = Term MHP/Term MSH; Cumulative GPA = Cumulative MHP/Cumulative MSH; Example: 42.0 MHP/12.0 MSH = 3.5 GPA.