

Official Transcript

Page 1

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The official transcript explanation is the last page of this document.

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Indiana University

OFFICE OF THE REGISTRAR

Official Graduate and Professional Transcript

SSN

: Zhen, Kai : 0003549450 Student ID

: 414 W Northlane Dr Address

Bloomington, IN 47404-2203

United States

Birthdate : 07-23-XXXX

Program : Computer Science -GrSch

Hours Earned:

: XXX-XX-3858

Print Date : 11-14-2022 Request Nbr : 031728131

---- Degrees Awarded ----

Indiana University Degree Indiana University Bloomington University Graduate School Doctor of Philosophy

Major: Computer Science Major: Cognitive Science

05-07-2021

Beginning of Graduate Record

Fall 2015 Bloomington

Program	: Computer	Science -GrSch	
Course		Title	Hrs Grd
CSCI-B	551	ELEM ARTIFICIAL INTELLIGENCE	3.00 A
CSCI-Y	790	GRADUATE INDEPENDENT STUDY	3.00 A
STAT-S	675	STATISTICAL LEARNING	3.00 A+

Transfer Credit from Tsinghua U Applied Toward Computer Science -GrSch Program Bloomington

Course		Title	Hrs Grd
CSCI-B	503	ALGORITHMS DESIGN AND ANALYSIS	3.00 T
CSCI-B	555	MACHINE LEARNING	3.00 T
CSCI-B	581	ADVANCED COMPUTER GRAPHICS	3.00 T
CSCI-UN	500	CSCI UNDISTRIBUTED-500 LEVEL	3.00 T
CSCI-UN	500	CSCI UNDISTRIBUTED-500 LEVEL	3.00 T
CSCI-UN	500	CSCI UNDISTRIBUTED-500 LEVEL	3.00 T
CSCI-UN	500	CSCI UNDISTRIBUTED-500 LEVEL	2.00 T
CSCI-UN	500	CSCI UNDISTRIBUTED-500 LEVEL	3.00 T
		Transfer Hrs Passed:	23.00

Semester:	GPA Hours:	9.00	GPA Points:	36.000
	Hours Earned:	32.00	GPA:	4.000
Cumulative:	GPA Hours:	9.00	GPA Points:	36.000
	Hours Earned:	32.00	GPA:	4.000

Spring 2016 Bloomington

Program :	Computer	Science -	-GrSch				
Program :	Cognitiv	e Science	-GrSch				
Course		Title				Hrs	Grd
COGS-Q	540	PHIL FND	INS COGN	ITIVE	E/INFO SCI	3.00) A
CSCI-B	659	TOPICS AF	RTIFICIA	L INT	TELLIGENCE	3.00) B+
Cours	se Topic(s): STOCHAS	STIC OPT	MZTN	FOR ML		
CSCI-Y	790	GRADUATE	INDEPEN	DENT	STUDY	3.00) A
Semester:	GPA Hou	rs:	9.00	GPA	Points:	33.90	00
	Hours E	arned:	9.00	GPA:	:	3.76	57
Cumulative	: GPA Hou	rs:	18.00	GPA	Points:	69.90	00

41.00 GPA: 3.883 Hours Earned:

--- Record continued in next column ---

Fall	2016	Bloomington	١.

Page 1 of 2

3.922

Program :	Cognitiv	e Science	-GrSch		
Course		Title			Hrs Grd
COGS-Q	550	MODELS I	N COGNIT	IVE SCIENCE	3.00 A
COGS-Q	733	COLLOQUI	UM SERIES	3	0.00 S
CSCI-B	534	DISTRIBU	TED SYSTE	EMS	3.00 A
PSY-P	747	SEM IN C	COGNITIVE	PSYCHOLOGY	3.00 A
Semester:	GPA Hou	rs:	9.00	GPA Points:	36.000
	Hours E	arned:	9.00	GPA:	4.000
Cumulative	: GPA Hou	rs:	27.00	GPA Points:	105.900

Spring 2017 Bloomington

50.00 GPA:

TIOGIAM	. Compt		
Program	: Cogn:	tive Science -GrSch	
Course		Title	Hrs Grd
COGS-Q	733	COLLOQUIUM SERIES	0.00 S
CSCI-B	565	DATA MINING	3.00 A
FNCD-F	500	TODICS IN INTELL SVS ENGINEED	3 00 7+

Semester: GPA Hours:	6.00	GPA Points:	24.000
Hours Earned:	6.00	GPA:	4.000
Cumulative: GPA Hours:	33.00	GPA Points:	129.900
Hours Earned:	56.00	GPA:	3.936

Course Topic(s): MACHINE LRNG SIGNAL PROCESSING

Fall 2017 Bloomington

Program		Computer Science -GrSch
Program	1	Cognitive Science -GrSch

Course		Title			Hrs Grd
cogs-Q	733	COLLOQUIU	M SERIES	5	0.00 S
CSCI-B	561	ADVANCED	DATABASI	E CONCEPTS	3.00 A-
ENGR-E	687	IND STUDY	INTEL S	SYS ENGINEER	3.00 A+
) <i>' ' /</i>					
Semester:	GPA Hou	cs:	6.00	GPA Points:	23.100
= 1/1	Hours Ea	arned:	6.00	GPA:	3.850
Cumulative	: GPA Hour	rs:	39.00	GPA Points:	153.000
	Hours Ea	arned:	62.00	GPA:	3.923

Spring 2018 Bloomington

Program Program	-	ter Science -GrSch tive Science -GrSch	
Course		Title	Hrs Grd
ENGR-E	533	DEEP LEARNING SYSTEMS	3.00 A
ENGR-E	687	IND STUDY INTEL SYS ENGINEER	3.00 A

6.00 GPA Points: Semester: GPA Hours: Hours Earned: 6.00 GPA: 4.000 Cumulative: GPA Hours: 45.00 GPA Points: 177.000

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Send To: Kai Zhen



Page 2 of 2

3.959

Indiana University

OFFICE OF THE REGISTRAR

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Official Graduate and Professional Transcript

Name : Zhen, Kai Student ID : 0003549450

Address : 414 W Northlane Dr

Bloomington, IN 47404-2203

United States

SSN : XXX-XX-3858
Birthdate : 07-23-XXXX
Print Date : 11-14-2022

Request Nbr : 031728131

Hours Earned:

Hours Earned: 68.00 GPA: 3.933

Fall 2018 Bloomington

Program	:	Computer	Science -GrSch	
Program	:	Cognitive	Science -GrSch	

Course		Title	Hrs Grd
CSCI-Y	790	GRADUATE INDEPENDENT STUDY	6.00 A
CSCI-Y	798	PROFSNL PRACTICUM/INTERNSHP	3.00 A
ENGR-E	687	IND STUDY INTEL SYS ENGINEER	3.00 W

Semester:	GPA Hours:	9.00	GPA Points:	36.000
	Hours Earned:	9.00	GPA:	4.000
Cumulative:	GPA Hours:	54.00	GPA Points:	213.000
	Hours Earned:	77.00	GPA:	3.944

Spring 2019 Bloomington

Program	: Compu	ter Science -GrSch	
Program	: Cogni	tive Science -GrSch	
Course		Title	Hrs Gr
COGS-Q	551	THE BRAIN AND COGNITION	3.00 7
COGS-Q	733	COLLOQUIUM SERIES	1.00 \$
CSCI-Y	790	GRADUATE INDEPENDENT STUDY	3.00 A

Semester:	GPA Hours:	6.00	GPA Points:	24.000
	Hours Earned:	7.00	GPA:	4.000
Cumulative:	GPA Hours:	60.00	GPA Points:	237.000
	Hauma Pampad.	0.4 0.0	CDA	2 050

Fall 2019 Bloomington

Program	: combacer	actence -	-GI SCII	-	
Program	: Cognitive	e Science	-GrSch	514	
Course		Title			Hrs Gro
CSCI-Y	790	GRADUATE	INDEPENDENT	STUDY	3.00 A
CSCI-Y	798	PROFSNL I	PRACTICUM/IN	[ERNSHP	3.00 A
					77

Semester:	GPA Hours:	6.00	GPA Points:	24.000
	Hours Earned:	6.00	GPA:	4.000
Cumulative:	GPA Hours:	66.00	GPA Points:	261.000
	Hours Earned:	90.00	GPA:	3.955

Spring 2020 Bloomington

Program	:	Computer Science -GrSch
Program	:	Cognitive Science -GrSch
~		m 1 t 3

Course		Title	Hrs Grd
CSCI-G	901	ADVANCED RESEARCH	6.00 A

The COVID-19 pandemic resulted in changes to instruction and academic policies that may include flexible application of S, P, and W grades.

See online transcript legend for additional information.

--- Record continued in next column ---

Semester:	GPA Hours:	6.00	GPA Points:	24.000
	Hours Earned:	6.00	GPA:	4.000
Cumulative:	: GPA Hours:	72.00	GPA Points:	285.000
	Hours Earned.	96 00	GPA ·	3 958

Summer 2020 Bloomington

Program :	Computer Science	-GrSch		
Program :	Cognitive Science	e -GrSch		
Course	Title			Hrs Grd
CSCI-Y 7	98 PROFSNL	PRACTICU	M/INTERNSHP	1.00 A
Semester:	GPA Hours:	1.00	GPA Points:	4.000
	Hours Earned:	1.00	GPA:	4.000
Cumulative:	GPA Hours:	73.00	GPA Points:	289.000

Fall 2020 Bloomington

97.00 GPA:

Program : Computer Science -			
Program : Cognitive Science	-GrSch		
Course Title			Hrs Grd
CSCI-G 901 ADVANCED	RESEARC	Н	6.00 A
Semester: GPA Hours:	6.00	GPA Points:	24.000
Hours Earned:	6.00	GPA:	4.000
Cumulative: GPA Hours:	79.00	GPA Points:	313.000
Hours Earned:	103.00	GPA:	3.962

Spring 2021 Bloomington

	Program :	Computer Science	-GrSch		
	Program :	Cognitive Science	e -GrSch		
	Course	Title			Hrs Grd
П	CSCI-G	901 ADVANCE	D RESEARCE	Н	6.00 A
R	ITAS	7 / 6			
ï	Semester:	GPA Hours:	6.00	GPA Points:	24.000
	MLA	Hours Earned:	6.00	GPA:	4.000
Į	Cumulative	: GPA Hours:	85.00	GPA Points:	337.000
		Hours Earned:	109.00	GPA:	3.965
	-				

Student Graduate Program Summary

GPA Hours:	85.00	Transfer/Test	Hours Pass	ed:	23.00
Hours Earned:	109.00	Points:	337.000	GPA:	3.965

Academic Objective as of Last Enrollment

Computer Science -GrSch Computer Science PhD

--- End Of Record ---

Issued at: Indiana University Bloomington

Michael J. Carroll, Registrar

Send To: Kai Zhen



INDIANA UNIVERSITY OFFICE OF THE REGISTRAR OFFICIAL TRANSCRIPT EXPLANATION

Note: The following explanation reflects information found on the Indiana University Official Transcript produced from the Student Information System implemented Fall 2004. A transcript labeled Official Record is also an official transcript which has been produced from the prior student record system. While there is no difference in the way grade point averages are calculated in each format, the Official Record (old system) will not reflect as many of the grade point average summaries as are now available on the Official Transcript (current system).*

I. Grade and Credit Point System

The following grades are considered in computing semester or cumulative grade averages. Plus and minus grades are computed in cumulative averages effective First Semester 1977-78. Course hours with a grade of "F" are counted when computing grade point averages but do not count toward the earned hours required for degrees.

A+	(4.0 Pts.)	B+	(3.3 Pts.)	C+	(2.3 Pts.)	D+	(1.3 Pts.)	WF	Withdrawn-Failing (0 Pts.)
A	(4.0 Pts.)	В	(3.0 Pts.)	C	(2.0 Pts.)	D	(1.0 Pts.)		(Discontinued First Semester 1977-78)
A-	(3.7 Pts.)	B-	(2.7 Pts.)	C-	(1.7 Pts.)	D-	(0.7 Pts.)	F	Failing (0 Pts.)

The following grades are not considered in computing semester or cumulative grade point averages:

- AU Audit No credit (Discontinued 1965)

 AX-DX (Including plus and minus grades) Graded course subsequently retaken under the Extended-X Policy (effective Fall 1994 through Fall 2021) (See Retaken/Replaced Explanation below)
- Credited on Certificate (Discontinued 1965)
 Deferred (Discontinued 1965; Treated as Incomplete) CF
- DF Conditional (Discontinued 1965; Treated as Incomplete)
- EX Exemption (Discontinued 1965)
- Course failed and subsequently retaken during or after First Semester 1976-1977 through FX Fall 2021 under the FX or Extended-X Policy (See Retaken/Replaced Explanation below).
- Incomplete (Effective First Semester 1977-78, automatically changed to F after one calendar year; see also grade of R.) T
- No Credit (Established 1971); replaced AUDIT (AU) NC
- No Report Submitted by Instructor (Used for unreported grades for prior semesters or course work that has not been graded for the current semester) NR
- NY Used to signify enrollment in a special program for which credit when earned will be shown as an ADDITIONAL entry on the permanent academic record.

- Denotes an Incomplete in a course taught through Purdue University.

 Passed (Pass/Fail Option) (The Pass/Fail Option permits graduate and undergraduate students to enroll in a course and receive a grade of P or F. Pass/Fail Option courses are normally limited to electives. The responsibility of approval, as well as special regulations affecting the Option, rests with the dean of the student's school or division under procedures the school or division establishes. Instructors are not notified of undergraduate students registering for this Option. A grade of P cannot subsequently be changed to a grade of A, B, C, or D)
- Deferred (Effective First Semester 1977-78, used for course work that can be evaluated only after two or more semesters; such course work was previously graded with I.) Satisfactory (entire class graded S or F)

- Denotes credits transferred from another institution.

 Withdrawn--Passing (Prior to Second Semester 1974-75, used to indicate withdrawal while passing. Effective Second Semester 1974-75, used to reflect students who withdraw while W passing after the official Drop and Add Period.)
- Passed Without Grade (Discontinued 1965; Treated as Satisfactory)
 Beginning Fall 2021, denotes a retaken/replaced letter grade (See Retaken/Replaced Explanation Х

Repeated Courses

Repeated courses may be counted in the student's primary program GPA (Student Program GPA), depending on the policies of the student's program. Repeated courses do not count toward the earned hours required for degrees unless the course is defined as repeatable for credit.3

Retaken/Replaced Explanation

Beginning Fall 2021, per the ACA-66 Grades and Grading Policy, the historical FX and Extended-X policies were succeeded by an X (Retaken/Replaced) policy. Under the revised policy, both enrollments in the course remain on the transcript, but only an "X" is recorded on the transcript for the original course.

Courses that were retaken under the conditions of the FX Policy (effective First Semester 1976-77 through Fall 2021) or the Extended-X (effective 1994 through Fall 2021 Retaken Course/GPA Exclusion) Policy are noted with an "X" following the letter grade. Under these policies, both enrollments in the course and their grades remain on the transcript. These letter plus "X" grades may or may not be excluded from academic program credit hours and grade point averages depending on the policy of the student's primary program. Historically, only some Indiana University programs have honored the Extended-X Policy.*

II. Record Format

The "Official Transcript" standard format lists course history, grades and GPA information in chronological order sorted by the student's academic level. The "Official Transcript with Enrollment" provides the same information as the standard transcript but also includes all courses in which a student is currently enrolled. "Official Transcript" or "Official Transcript with Enrollment" (without an academic level designation) indicates that the document contains all work completed at Indiana University. A student may also request a transcript of only those courses taken at the undergraduate, graduate, or professional (Law, Medicine, Dentistry, Optometry) level. In these cases, the title of the document will reflect the academic level represented. (Note: The graduate academic level may be subdivided into more than one "Graduate" grouping due to academic

The Student Program GPA is calculated according to the rules determined by the student's primary academic program at the time of printing. This GPA is subject to change whenever the student changes programs. The cumulative Student Program GPA summary statistics are reflected at the end of each student career level and are based on the student's last active primary program at that level.

Courses accepted in transfer from other institutions are listed under a Transfer Credit heading. Generally, a grade of "T" (transfer grade) is assigned and course numbers, titles, and credit hours assigned reflect Indiana University equivalents. Transfer hours with a grade of "T" are not reflected in the cumulative grade averages. However, the hours are included in the "Hrs Earned" field.

A course suitable for credit which does not parallel an Indiana University course at the campus of evaluation may be designated by a course subject followed by "-UN" (undistributed credit) and a number indicating an equivalent Indiana University course (class) level. For example, HIST-UN 200 represents a 200 (sophomore) level History course. Applicability of accepted transfer credit toward a particular degree is determined by the Indiana University school or division offering the degree program.

Credit awarded as a result of placement tests, credit by examination, or successful completion of a higher level course may be reflected as Special Credit with a transcript note or may appear as separately designated "Test or Special Credit." The total number of transfer and test hours on the record appears in a separate Transfer/Test Hours Passed category in the Student Program and Indiana Summary.

Note that there are exceptions to these general transfer credit policies related to transfer work from Purdue University campuses and Purdue Statewide Technology programs located on Indiana University campuses. For further details visit https://transcripts.iu.edu. Transcript Information.

Indiana University is accredited by the Higher Learning Commission (https://www.hlcommission.org) (312-263-0456). Accreditation covers all courses and programs offered at all campuses of Indiana University. See the appropriate school bulletins for other accreditations

A transcript issued by Indiana University reflects course work completed at any campus: Bloomington, Columbus (IUPUC), IU Fort Wayne, Gary (Northwest), Indianapolis (IUPUI), Kokomo, New Albany (Southeast), Richmond (East), South Bend. A transcript issued by Indiana University is official when it displays the Registrar's signature and the university's seal and is printed on Indiana University paper. The official university transcript is printed on SCRIP-SAFE paper and does not require a raised seal.

VI Registrar Contact

IU East

Questions about the content of this record should be referred to the Office of the Registrar where it was printed. IU Kokomo Office of the Registrar IU Fort Wayne

IU Bloomington Office of the Registrar 408 N. Union Street Bloomington, IN 47405-3800 (812) 855-0121 registrar.indiana.edu Federal School Code: 001809

Office of the Registrar

(800) 959-3278 ww.iue.edu/registrar/

2325 Chester Boulevard

Richmond, IN 47374-1289

Federal School Code: 001811

IUPUI Indianapolis Office of the Registrar Campus Center 250 420 University Boulevard Indianapolis, IN 46202-5144 (317) 274-1519

Federal School Code: 001813

registrar.jupuj.edu

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Fort Wayne, IN 46805-1445

Neff Hall 110

(260) 481-4839

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2300 South Washington

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IU Southeast Office of the Registrar University Center South 107 4201 Grant Line Road New Albany, IN 47150-6405 (812) 941-2240 www.jus.edu/registrar/ Federal School Code: 001817

^{*}For a more detailed transcript explanation visit; https://transcripts.ju.edu. Transcript Information.