Xin Jing

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EDUCATION

University of Michigan Ann Arbor — **Ann Arbor, MI**
Master of Science in Electrical and Computer Engineering — *April 2024*
Coursework: Machine Learning, Computer Vision, Intermediate Programming

Nankai University — **Tianjin, China**
Bachelor of Engineering in Material Chemistry — *June 2019*
Coursework: Classic Statistics, MATLAB Application, Data Structures and Algorithms

PROJECTS

University of Michigan Ann Arbor — **Ann Arbor, MI**
Course Projects — *January 2023 - present*

- Image Colorization
  - To add color to greyscale images via classification
- Real-time Object Detection
  - To improve the performance of YOLO in detecting small objects and cluttered scenes
- Restaurant Recommendation Website
  - To provide personalized recommendations and search based on a user's preferences
- iTunes Store Search Tool
  - Set up an interactive command line search tool for iTunes Store

PUBLICATIONS

1. **Xin Jing**, Zhuang-Zhang, Tian-Yang Chen, Jing-Shan Luo*, **A Review of Promising Inorganic Hole Transporting Materials for Perovskite Solar Cells**, ***Energy Technology***, 2023
2. Huanhuan Wang, Zhuang Zhang, Jovana V Milić, Liguo Tan, Zaiwei Wang, Rong Chen, **Xin Jing**, Chenyi Yi, Yi Ding, Yuelong Li, Ying Zhao, Xiaodan Zhang, Anders Hagfeldt, Michael Grätzel, Jingshan Luo*, **Water Stable Haloplumbate Modulation for Efficient and Stable Hybrid Perovskite Photovoltaics**, ***Advanced Energy Materials***, 2021

RESEARCH

Nankai University / Institute of Optoelectronic Thin Film Devices — **Tianjin, China**
Research Assistant — *June 2019 - July 2022*
Research on Inorganic Hole-Transporting Layer of Perovskite Solar Cells

- Fabricated inorganic hole-transporting layer with a series of methods
- Solved interfacing problems between perovskite and hole-transporting layer using novel solid-air reaction method

Nankai University / Institute of New Energy Materials Chemistry — **Tianjin, China**
Project Leader — *June 2016 - April 2019*
Functional Polymers to Improve the Interface Characteristics of Perovskite Solar Cells

- Fabricated organic-inorganic hybrid perovskite solar cells with other two members
- Increased cell efficiency by 11% through smoothing thin-film morphology with micro-doping various polymers

INTERNSHIP

Tianjin Vocational Skills Training Center — **Tianjin, China**
3D-print model designer — *February 2019 - March 2019*

- Builded 3D models with software *Solidworks* and 3D printers

ACTIVITY

Student Union in School of Materials Science and Engineering — **Tianjin, China**
Minister — *September* 2015 - *December2016*

- Led a 16-member team to operate the college's new media platform with subscribers from 0 to 144
- Awarded as ‘Top Ten Ministers of Nankai University College Student Union’, ranking 2/23

PROGRAMMING

C++, Python, MATLAB, Julia

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

University Registrar

NON-UNIVERSITY OF MICHIGAN ACADEMIC EXPERIENCE

Nankai University
Tianjin 12 300071 China
B.S.E. Materials Science & E Awarded: 01-Jun-2019

BEGINNING OF GRADUATE RECORD

Fall 2022		**Rackham**	**Grade**	**Hours**	**MSH**	**CTP**	**MHP**
EECS	501	Prob&Random Proc	B+	4.00	4.00	4.00	13.20
EECS	551	Matrix Meth Sig Proc	C+	4.00	4.00	4.00	9.20
Term Total		**GPA: 2.800**		**8.00**	**8.00**	**8.00**	**22.40**
Rackham							
Cumulative Total		**GPA: 2.800**		**8.00**	**8.00**	**8.00**	**22.40**

Winter 2023		**Rackham**	**Grade**	**Hours**	**MSH**	**CTP**	**MHP**
Elections as of: 07-Apr-2023							
EECS	442	Computer Vision		4.00	0.00	0.00	0.00
EECS	470	Computer Architec	W	4.00	0.00	0.00	0.00
EECS	545	Machine Learn (CSE)		3.00	0.00	0.00	0.00
EECS	553	Machine Learn (ECE)		3.00	0.00	0.00	0.00
EECS	559	Optim in Sig Pro ML	W	3.00	0.00	0.00	0.00
EECS	586	Algorithms	W	4.00	0.00	0.00	0.00
SI	507	Inter Programming		3.00	0.00	0.00	0.00
SI	618	Data Man & Analysis	W	3.00	0.00	0.00	0.00
Term Total				**27.00**	**0.00**	**0.00**	**0.00**

Fall 2023		**Rackham**	**Grade**	**Hours**	**MSH**	**CTP**	**MHP**
Elections as of: 07-Apr-2023							
EECS	598	Special Topics VLSI for Comm & Machine Learning		4.00	0.00	0.00	0.00
SI	664	Database App Design		3.00	0.00	0.00	0.00
Total Elected Term Hours				**7.00**	**0.00**	**0.00**	**0.00**

END OF GRADUATE RECORD

End of Transcript
Total Number of Pages 1

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; NRC = No Record COVID, a non-passing grade used to address a global pandemic

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.