

HUA (AUSTIN) JIANG

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<https://austinjia.github.io/me/index.html>

OBJECTIVE To apply a computer science PhD beginning at Fall of 2018

EDUCATION

Georgia Institute of Technology, Atlanta, GA Jan. 2017 – May 2018 (Expected)
BACHELORS OF SCIENCE IN COMPUTER SCIENCE GPA: 3.60/4.00

Georgia Institute of Technology, Atlanta, GA Aug. 2012 – Dec. 2016
BACHELORS OF SCIENCE IN MECHANICAL ENGINEERING GPA: 3.60/4.00
▪ **Hong Kong University of Science and Technology**, Hong Kong Jan. 2014 – Jun. 2014
STUDY ABROAD PROGRAM

WORKING EXPERIENCE

Computer Science Dept., Georgia Institute of Technology, Atlanta, GA Dec. 2016 – Present
UNDERGRADUATE RESEARCH ASSISTANT @ SCHOOL OF PRACTICE ROBOTICS
▪ Got training in robots' operation (Sawyer and Universal Robots 5).
▪ Developing computational methods with C++ robot control.
▪ Developing a collaborative and Advanced Robotics method for quantifying the accuracy of manufacturing processing (deburring).

Mechanical Engineering Dept., Georgia Institute of Technology, Atlanta, GA Sept. 2014 – May. 2017
UNDERGRADUATE RESEARCH ASSISTANT @ PRECISION MACHINING RESEARCH CONSORTIUM
▪ Self-learned principles of computed tomography, computational reconstruction, and metrological application in the areas of manufacturing and experimental mechanics by literature reviewing.
▪ Developed computational methods with MATLAB for simulating images, and identifying geometries using tomographic imaging data
▪ Developed a robust experimental method for quantifying the accuracy of simulated images when analyzed against the real ones.
▪ Reported in writing, and presented orally the results of the research project.

Mechanical Engineering Dept., Georgia Institute of Technology, Atlanta, GA Sep. 2016 – Dec. 2016
COMPUTER VISION, COURSE GROUP PROJECT
▪ Design of algorithms for computer vision system for manufacturing (chicken meat processing industry).
▪ Reported in writing, and presented orally the results of the course project.

Academic Success Center, Iowa State University, Ames, IA Jan. 2013 – Dec. 2013
CALCULUS TUTOR
▪ Worked with the tutee to develop a tutoring plan that fits the student's individual needs.
▪ Applied Image processing (image Filter, Smoothing and Feature Detection) to illumination images.
▪ Applied technical communication skills to effectively tutor 20 students in differential, vector calculus.

ORGANIZATION EXPERIENCE

Georgia Tech BIKE Community (GT BIKE), Atlanta, GA Aug. 2016 – Present
STUDENT VOLUNTEER FOR GT BIKE
▪ Encouraged 5 students to join in GT BIKE to develop their personal leadership skills.
▪ Volunteered two hours+ on campus to help students whom need to fix their bike.

Center Street Residence Hall, Georgia Institute of Technology, Atlanta, GA Aug. 2014 – Jan. 2015
FINANCE COORDINATOR
▪ Performed all reimbursement procedures as required by law and managed the organizational spending of around \$5000 annual budget.

- Communicated the financial status in an open and transparent way to the executive board.

Chinese Association of Iowa (CAI), Des Moines, IA

May 2012 – Aug. 2013

STUDENT COORDINATOR FOR IOWA STATE UNIVERSITY CHAPTER

- Encouraged 20 students to join in CAI to develop their personal leadership skills.
- Represented Chinese students of Iowa State University in speech in front of over 200 people.

HONOR EXPERIENCE

Mechanical Engineering Dept., Georgia Institute of Technology, Atlanta, GA

Jan. 2017 – Present

WON 2017 AIR PRODUCTS UNDERGRADUATE RESEARCH

Mechanical Engineering Dept., Georgia Institute of Technology, Atlanta, GA

June. 2016 – Aug. 2016

WON 2016 PRESIDENT'S UNDERGRADUATE RESEARCH AWARDS

SKILLS

- Computer Skills: MATLAB, CAD (Solidworks), HTML, Java, C & C++, Linux, Photoshop, Adobe Dreamweaver, MS Office
- Got Training in machine shop: Lathe, mill, bend saw and hand tools (ME). Experience soldering and mounting components (EE)
- Self-learned Python in coursera.com
- Language: Fluent in Mandarin and English