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 (deburing).

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.
- Volunted 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