

HUA (AUSTIN) JIANG

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OBJECTIVE To apply for the Air Product Research Program beginning at Spring of 2017

EDUCATION

Georgia Institute of Technology, Atlanta, GA Aug. 2014 – Dec. 2017 (Expected)
BACHELORS OF SCIENCE IN MECHANICAL ENGINEERING& COMPUTER SCIENCE GPA: 3.60/4.00

Iowa State University, Ames, IA Jan. 2012 – Jun. 2014
BACHELORS OF SCIENCE, MECHANICAL ENGINEERING GPA: 3.78/4.00

- **Hong Kong University of Science and Technology**, Hong Kong Jan. 2014 – Jun. 2014
STUDY ABROAD PROGRAM
- **University Of California, Berkeley**, San Francisco Bay Area, CA May 2012 – Jul. 2012
SUMMER PROGRAM

WORKING EXPERIENCE

Computer Science Dept., Georgia Institute of Technology, Atlanta, GA Dec. 2016 – Present
UNDERGRADUATE RESEARCH ASSISTANT

- Get training in robots' operation.
- Developed computational methods with MATLAB robot control.
- Developed a Kuka collaborative and Advanced Robotics Manufacturing robotics 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 Sept. 2014 – Present
UNDERGRADUATE RESEARCH ASSISTANT

- 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 Sept. 2015 – Dec. 2015
CONCENTRATE SOLAR POWER PROJECT, COURSE GROUP PROJECT

- Reported in writing, and presented orally the results of the research project.
- AUTOCAD modelling all the parts of the CSP project
- Energy efficiency analysis

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 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.
- Every week volunteer 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 June. 2016 – Aug. 2016

WON 2016 PRESIDENT'S UNDERGRADUATE RESEARCH AWARDS

SKILLS

- Computer Skills: MATLAB, AutoCAD, HTML, Java, Photoshop, Adobe Dreamweaver, MS Office
- Self-learned Python in courser.com
- Language: Fluent in Mandarin and English