

Yanzong(Ian) Jiang

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Education:

Drexel University

Bachelor of Science in Mechanical Engineering

Philadelphia, PA
September 2014 – June 2016
Cumulative GPA: 3.76

University of California, Los Angeles

Bachelor of Science in Mechanical Engineering

Los Angeles, CA
Anticipated Graduation: June 2018

Skills:

Laboratory: Nano-indenter, 3D Printer

Tools: Drill Press, Electric Drill, Circular Saw Blade, Table Saw

Software: AutoCAD, Autodesk Inventor, NXT, MATLAB, SigmaPlot; Microsoft Word, Excel, PowerPoint

Language: Native speaker of Mandarin; Fluent in English

Engineering Experience:

Robotics Project, Drexel University

Philadelphia, PA
January – March 2015

Designer

- Revised robot layout and logistics to maximize performance
- Operated NXT program and tested robot in different working situation and environments
- Prepared and presented 15-page report of detailed drawings, proposals, and reports

Hess Undergraduate Scholars Research, Drexel University

Philadelphia, PA
January – July 2016

Laboratory Researcher

- Prepared biological(snakeskin) samples and assemble tools for testing material properties
- Used nano-indenter to apply array indents on samples and collected sets of data
- Analyzed data using SigmaPlot and prepared documents for publishing research paper

The Ozcan Research Group, UCLA

Los Angeles, CA
September 2016 – Present

Laboratory Researcher

- Used Autodesk Inventor to design cost-effective supporting parts for image processing devices
- Calibrated and used 3D printer to print designed parts
- Researched “filtered back-projection” algorithms and assisted mentors with design using the idea of tomography

Honors:

Dean’s Scholarship, Drexel University, Fall 2014 – Spring 2016

Trustee Award, Drexel University, Fall 2014 – Spring 2015

Dean’s List, Drexel University, Fall 2014 – Spring 2016

Drexel End. Grant, Drexel University, Winter 2016 – Spring 2016

Relevant Coursework:

Basics Fluid Mechanics

Computer-Aid Design and Drafting

Computer Programming(MATLAB)

Dynamics of Particles and Rigid Bodies

Engineering Design Lab I, II, IV

Electrical and Electronic Circuits

Engineering Thermodynamics

Linear Algebra with Application

Mathematics of Engineering

Heat Transfer

Science of Engineering Materials

Statics and Strength of Materials

Physics: Mechanics, Oscillations, Waves, Electric, Magnetic Fields, Electrodynamics, Optics, and Special Relativity

