

HANZHI YANG

WORK EXPERIENCE

FALL 2017 – PRESENT

College of Engineering, Purdue University, IN

Teaching Assistant

- Instructed students in MATLAB and Excel
- Graded students assignments and exams

SUMMER 2016 / SUMMER 2017

Li-Ming Additive Manufacturing Laboratory, Shenyang, China

Laboratory Assistant

- Designed a 4-degree-of-freedom manipulator with CATIA and Siemens NX
- Produced every part of the manipulator with additive manufacturing technology (3D Printing)
- Assembled the manipulator and designed the control circuit, programming with Arduino

DESIGN EXPERIENCE

SPRING 2017

College of Engineering, Purdue University, IN

CATIA Product Design

- Designed a 29-part platform cart with CATIA, built the engineering blueprint, and composed a report
- Produced the cart with 3d printers

SPRING 2017

College of Engineering, Purdue University, IN

Thermocouples Data Analysis

- Analyzed 1,000,000 thermocouples data points with MATLAB
- Produced the final linear regressions for thermocouples with plots generated by MATLAB
- Built feedback report for the company producing thermocouples

SUMMER 2014

NEYC Team 8008, Sydney, Australia

FIRST Robotics Competition, Asia-Pacific Area

- Champion Winning Alliance; Team Leader; Chief Designer
- Rookie All-Star Award

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OBJECTIVE

To obtain a research position in mechanics industry that utilizes a background in mechanical engineering

EDUCATION

2016 – 2020 **Purdue University**
MECHANICAL ENGINEERING
GPA: 3.99/4.00
West Lafayette, IN

2013 – 2016 **NorthEast Yucai School**
HIGH SCHOOL DIPLOMA
GPA: 3.94/4.00
Shenyang, China

OPEN-SOURCE PROJECTS

2017 **HZ Image Editor**
(<https://github.com/LesterYHZ/Hanzhi-Image-Editor.git>)
MATLAB Programmer

2017 **ASCII Art GUI**
(<https://github.com/LesterYHZ/MATLAB-ASCII-Art.git>)
MATLAB Programmer

COMPUTER/ENGINEERING SKILLS

GOOD LEVEL	C, MATLAB, Python, NX, AutoCAD, CATIA, Markdown
INTERMEDIATE	C++, Golang, Git, SolidWorks, Simulink
BASIC LEVEL	Ubuntu, L ^A T _E X, Java, HTML, Adobe Muse, ROS

ACTIVITIES

FALL 2016 **Purdue Learning Community - Global Engineering Cultures and Practice**

SPRING 2018 **Purdue Robomaster Club**
Co-Founder