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

COMMUNICATION SKILLS

CHINESE	Native speaker
ENGLISH	Oral: good – Written: good

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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

2018	**Purdue Robomaster Club Website (https://github.com/RoboMaster-Club/WebPage.git)** *Webpage Designer* *Programmer*
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, LaTeX, Java, HTML, Adobe Muse, ROS