

Zouyi Yang

Tel: (202) 288-9482 E-Mail: yangzouyi@gwu.edu Address: 1400 S Joyce Street, Arlington, VA, 22202

TECHNICAL & LANGUAGE SKILLS

Programming & Applications: Java, C, Arduino, LabVIEW, MATLAB, Microsoft Office
Languages: Fluent in Chinese, Proficient in English

EDUCATION

The George Washington University Washington, DC
Master of Science, Mechanical & Aerospace Engineering, GPA: 3.9 May
2017(expected)

- Concentration: Robotics, Mechatronics, and Controls

Hubei University of Technology Wuhan,
China

Bachelor of Science, Mechanical Engineering, GPA: 3.25 July
2014

- University scholarship, 2011, 2013 (Top 10% of class)

RESEARCH PROJECTS

The George Washington University Washington, DC
Multi-Domain Search and Rescue Using Cooperative Robots Jan 2016 –
Present

- Designed controller for quadrotor using PID control theory
- Created 3-D animation showing the position and orientation of the quadrotor using MATLAB

Hubei University of Technology Wuhan,
China

Temperature and Humidity Measuring Instrument Based on Arduino March 2014 – June
2014

- Programmed C/C++ codes in Arduino IDE to control the temperature and humidity detector
- Accomplished graphical programming in LabVIEW to control the Arduino platform
- Established wireless communication between Arduino and LabVIEW
- **Achievement: Awarded as Excellent Graduation Paper, and a patent was granted and issued**

Smart Carrier for Distributed Sensors July 2014 – May 2015

- Programmed C to complete the photo transmission via ARM-Cortex microcontroller
- Integrated image information adding the GPS module and electronic compass
- Built the Serial Port Communications between cameras, microcontrollers and modules

EXTRACURRICULAR AND LEADERSHIP EXPERIENCE

Life Pieces to Masterpieces Washington, DC
Volunteer Oct 2015 – Dec 2015

- Engaged students in activities during classroom transitions
- Assisted teachers with behavior modification and classroom management.

Hubei University of Technology Wuhan,
China

University Student Leader Sep 2010 – Feb
2012

- Organized events to showcase the School of Mechanical Engineering class' accomplishments

- **Personal Achievement: Awarded Excellent Student Leader & Cadre Leader of the College Students' Career Orientation Investigation Team** July 2011 – Oct 2011
- **Personal Achievement: Outstanding Individual**
- **Team Achievement: Awarded 1st Place for conducting Career Orientation Survey**