

Adith Jagadish Bolor

www.adithjbolor.com
adith.jb@gmail.com | 765.430.3749

EDUCATION

WASHINGTON UNIVERSITY

MENG IN ROBOTICS

Expected Dec 2017 | St. Louis, MO

Cum. GPA: 3.7/4.0

PURDUE UNIVERSITY

BS IN MECHANICAL ENGINEERING

Grad. May 2016 | West Lafayette, IN

Dean's List | Semester Honors

JIAO TONG UNIVERSITY

Spring 2015 | Shanghai, China

Engineering Term Abroad | Travel Chair

LINKS

Github:// [ajbolor](#)

LinkedIn:// [/in/adith-jb](#)

COURSEWORK

GRADUATE

Artificial Intelligence

Machine Learning

Random Processes and Kalman Filtering

Robotics Dynamics and Control | Lab

Wireless Sensor Networks

UNDERGRADUATE

Automatic Control Systems

Bio Inspired Robotics

Human Motion Kinetics

Machine Design

Robotics Seminar

SKILLS

PROGRAMMING

Over 1000 lines:

Python • MATLAB • Arduino

C • C++ • \LaTeX

Familiar:

ROS • Linux • Axepad

CAD AND SIMULATION

Over 500 hours:

Onshape • LabVIEW • Simulink • CATIA

Familiar:

Inventor • Solidworks • Creo • Gazebo

LANGUAGES

Proficient:

English • Hindi • Kannada • Tulu

Familiar:

Mandarin • Spanish

RESEARCH

WASHINGTON UNIVERSITY PEDS LAB | GRADUATE RESEARCH

Aug 2016 – Present | St. Louis, MO

- Created a new, lab scale driver-less vehicle platform called the PiCar
- Simulated the platform using ROS and Gazebo for improving control algorithms
- Designed, 3D printed and reiterated the CAD model for the car from ground up

PURDUE M2M LAB | UNDERGRAD RESEARCH

Jun 2014 – Dec 2014 | West Lafayette, IN

- Programmed humanoid robots (Darwin-OP) to aid in fire rescue scenarios
- Collaborated with South Korean teams to create IoT platform (HARMS)
- Designed and 3D printed part of robot frame to decrease cost

EXPERIENCE

PACKT PUBLISHING | AUTHOR OF 'ARDUINO BY EXAMPLE'

Jan 2015 – Sep 2015 | ISBN: 178528908X

- Wrote project based book on Arduino micro-controller on home automation, smart security, robotics, speech recognition and IoT
- Collaborated with technical reviewers, editors, and marketing teams to meet quality requirements and strict deadlines

YOJAKA PVT. LTD. | MECHANICAL ENGINEERING INTERN

May 2014 – Jun 2014 | Mangalore, India

- Assisted in repairing engines, and inspected tug boats and dredgers
- Relayed information between engineers and management

AWARDS

2017	Finalist	PiCar Silk Road Robotics Innovation Competition Xi'an, China
2015	Top 5	Project GreenLight BoilerMake Hackathon Purdue University
2014	First	Speech Quadropod Microcontrollers Contest Instructables

ORGANIZATIONS

2016	Monitor	3D Printing Lab Helped students 3D print Purdue University
2013	Volunteer	Winterization Readied homes for winter Lafayette, IN
2013	Member	EPICS Built Mars replica for local museum Purdue University
2012	Mentor	FIRST Helped Team 461 build basketball robot Lafayette, IN

PUBLICATIONS

- Bolor A.J., Wagoner A. and Matson E.T., Humanoid Robots Rescuing Humans and Extinguishing Fires for Cooperative Fire Security System using HARMS. International Conference on Automation, Robotics and Applications, 2015.
- Bolor A.J. (2015) Arduino by Example. PACKT Publishing. Retrieved from <https://www.packtpub.com/hardware-and-creative/arduino-example>

INTERESTS

- Chess | Won tournaments held at Greece, Georgia and Singapore
- Travel | Explored China, Georgia, Greece, India, Indonesia, Malaysia, Thailand, Turkey, Singapore, SriLanka, USA, and Vienna