KEVIN PALISOC

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Education

Massachusetts Institute of Technology   *Expected 2018*
Candidate for B.S. in Mechanical Engineering

Select Coursework: Design and Manufacturing I, Dynamics and Control I & II *, Mechanics and Materials I, Thermal-Fluids Engineering I *, Mechanical Engineering Tools, Numerical Computation, Differential Equations, Japanese III *

* Expected completion by December 2016

Experience

Draper *Autonomous Vehicle Intern* *Summer 2016*	Design of autonomous test vehicle through drivetrain modification and electronics packaging; Manufacturing of radar reflector test component via CAD and GD&T; Development of path planning algorithms (RRT, Lattice) for the main vehicle
MIT Distributed Robotics Lab *Undergraduate Researcher* *Fall 2015 – Current*	System design and prototyping of an adaptive hydraulic control module for printed robotic systems
MIT Newman Lab *Undergraduate Researcher* *Summer 2015*	Developed GUI for a wearable stiffness-imposing physical therapy device and analyzed effects through experimentation and MATLAB graphical analysis
Robotech Center *Program Instructor* *Summer 2015*	Taught STEM concepts to elementary school students through assembly and programming of an Arduino self driving toy car

Leadership & Activities

MakeMIT (TechX) *Organizer* *Fall 2015 – Current*	Coordination of corporate sponsors, tools and materials, and mentors for MIT's hardware and prototyping hackathon hosting 250+ college students
Phi Kappa Theta - Mass Eta *Chapter Vice President* *Previous Treasurer* *Spring 2015 – Current*	Spearheading chapter activities of summer tenancy, community involvement, conflict resolution, member accountability, and finances of an over $300,000 per year budget
FIRST Robotics Team 6112 *Team Lead* *Fall 2012 – Spring 2014*	Led mechanical design, documentation, business relations, and outreach efforts for a competitive robotics team
Student Government *Student Body President* *Fall 2010 – Spring 2014*	Coordinated daily classroom activities and oversaw all event planning for over 10 annual events for all students

Technical Skills

Computer Aided Drafting & Manufacturing | Solidworks, Solidworks Electrical & Routing

Manufacturing | Lathe, Mill, 3D Printing, Lasercutting

Programming | MATLAB, Python, Linux

Organizational | Microsoft Office & Visio