KEVIN PALISOC

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Education

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

Select Coursework: Design and Manufacturing I & II ✳, Dynamics and Control I, 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 mobility scooter for testing through drivetrain modification and electronics packaging; Manufactured radar reflector test component via CAD and GD&T; Developed path planning algorithms (RRT, Lattice) for the main car

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

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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

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Technical Skills

Computer Aided Drafting | Solidworks, Solidworks Electrical & Routing

Manufacturing | Lathe, Mill, 3D Printing, Lasercutting

Programming | MATLAB, Python, HTML / CSS

Organizational | Microsoft Office & Visio