

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 & 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

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 | Solidworks, Solidworks Electrical & Routing

Manufacturing | Lathe, Mill, 3D Printing, Lasercutting

Programming | MATLAB, Python, HTML / CSS

Organizational | Microsoft Office & Visio