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1929 Plymouth Road Apt 2014
Ann Arbor, MI 48105

Objective: To seek for a full time position with interest in Mechanical Design, Controls, and Mechatronics.

EDUCATION

University of Michigan Bachelor of Science in Engineering in Mechanical Engineering GPA: 3.63/4.00	Ann Arbor, MI, USA Apr 2016
Sunway University American Degree Transfer Program for Mechanical Engineering GPA: 3.80/4.00	Selangor, Malaysia Jul 2013

EXPERIENCE

University of Michigan, Robotics and Motion Laboratory Undergraduate Research Assistant, "Feedback Control with Novel Sensor on Smart Actuators" <ul style="list-style-type: none">• Second author to "Contraction Sensing with Smart Braid McKibben Artificial Muscles" submitted IEEE Transactions on Mechatronics.• Second author to "Dynamic Tracking of Joint Motion with Antagonized Smart Braids" extended abstract, accepted by the 2015 Fluid Power Innovation & Research Conference.• Placed first in the Contributions in Soft Robotics Research competition with novel sensor development.• Performed tests and processed data on research project involving feedback control of actuators.• Designed and built a test fixture to test control of pneumatic actuators.	Dec 2014 – Present
University of Michigan, Mechanical Engineering Department "AMI Blue Board Controller for Test Protocol" Project Team Member <ul style="list-style-type: none">• Designing control system for outdated fuel cell controller by Adaptive Materials Inc.	Sept 2015 – Present
University of Michigan, Pierpont Commons Student Building Manager <ul style="list-style-type: none">• Identifying and reporting safety and security problems of building until 1AM to ensure smooth operation of building.• Coordinating with maintenance department to address utility or emergency issues.	May 2014 – Present
University of Michigan Solar Car Team Mechanical Engineering Department <ul style="list-style-type: none">• Designed parking brake and remodeled brake mount for the Quantum car for the American Solar Challenge 2014.• Analyzed and optimized of parking brake model, taking into consideration forces acting on mount during braking.• Compiled design model and analysis results for design review before the parts were sent for manufacturing.	Jan 2014 – Oct 2014

LEADERSHIP

University of Michigan Malaysian Students' Association Midwest Games '15 Committee Logistics Director; Check-in Co-director <ul style="list-style-type: none">• Coordinated a team for the annual sporting regional event for Malaysians in the Midwest.• Systemized and oversaw check-in procedure during event of 1200 participants.• Facilitated venue reservations to ensure smooth operation and security of event.	Oct 2014 – July 2014
American Degree Transfer Program Student Committee Head of Human Resources Department <ul style="list-style-type: none">• Spearheaded organization of annual sports event for 2013.• Co-organized annual dinner for 2012 with the Executive Committee.	Jan 2012 – Mar 2013

SKILLS

Computer	: LabVIEW, Matlab, Microsoft Office, Siemens NX, SolidWorks, C++, HTML, CSS, Hypermesh, Optistruct
Languages	: Fluent – English, Chinese, Malay, Cantonese; Basic – Japanese
Machine Shop Equipment	: Mill, Lathe, Drill Press, Laser Cutter