

Mohammad Suffian Hamzah

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EDUCATION

University of Michigan, Ann Arbor, MI
Master of Science in Mechanical Engineering
• Cumulative GPA: 3.50/4.00

December 2015

Bachelor of Science in Mechanical Engineering
• Cumulative GPA: 3.64/4.00 | Magna Cum Laude

December 2014

PROFESSIONAL EXPERIENCE

Delivice LLC, Ann Arbor, MI
Co-founder

January 2014 – March 2015

- Co-founded an online grocery delivery service with an average monthly sales of \$10000
- Utilized Search Engine Optimization(SEO) that increased website ranking from No. 35 to No.1 in two months, effectively increasing customer acquisition by 50%
- Improved sales by 200% by heading marketing efforts on-campus and online

University of Michigan, Ann Arbor, MI
Undergraduate Research Assistant

May 2013 – December 2014

- Developed an automated algorithm that reduced 95% in calculation time for solving non-linear dynamics analysis of mechanical systems with intermittent contact
- Automated the process of data collection and analysis to validate the algorithm by writing Matlab scripts, which reduced processing time by 40%
- Wrote conference abstract and journal paper as first author based on the algorithm development, research methods, results and analysis

HACKATHONS & COMPETITIONS

AT&T MCMC Malaysia Developer's Day 2015, Kuala Lumpur, Malaysia
Team Member of LooPee

August 2015

- Created web application for restroom cleaning management that won 1st for Smart City category and top three hacks overall
- Developed back-end software using Node.js, Express.js and MongoDB, enabling real-time tracking of restroom usage

OPTIMIZE Social Innovation Challenge, Ann Arbor MI
Co-founder, Lensa

October 2014 – April 2015

- Co-founded a teaching tool for elementary school teachers to maximize student engagement through gamification that was awarded \$1000 for Semi-Finalist and \$6000 Summer Fellowship
- Conducted literature review of current education-based technology and interviewed potential users (teachers, parents) and field experts which led to customer and solution validation
- Designed visual app mock-up based on user feedback to display features and user experience

MHacks IV, Ann Arbor, MI
Team Member of voteapp.me

September 2014

- Designed a web application for real-time voting that won 1st for best real-time hack category
- Honed web development skills by utilizing AngularJS, Flot and Twitter Bootstrap

LEADERSHIP EXPERIENCE

Malaysia Midwest Games 2015, Ann Arbor, MI
Publicity Director

October 2014 – May 2015

- Led team of 9 in designing and executing marketing campaign for annual sporting event which led to a participation of more than 1000 students from 55 US and Canada Colleges

ADDITIONAL

- Skills: Matlab, C++, HTML, Javascript, Adobe Photoshop, Adobe Illustrator
- Self-taught web developer: Finished 70% of freecodecamp.com
- Bilingual fluency in English and Malay