

Mohsin H. Ismail

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SUMMARY

Current MSSE graduate student with a strong academic record of formulating detail-oriented, practical solutions to a wide range of design and development processes. Highly adept at quickly learning and mastering new technologies, in both team and self-directed settings. A results-driven, analytical problem solver with strong time management and multitasking skills.

EDUCATION

M.S. Software Engineering – DePaul University, Chicago, IL – **GPA: 4.0** 2017 – Present
B.S. Bioengineering – University of Illinois at Urbana-Champaign, IL – **GPA: 3.3** 2012 – 2016

SKILLS

- Proficient in Python, HTML, CSS, R, MATLAB
- Competent in Java, C, Sass
- Familiar with Swift, Objective-C
- Well-versed in version control with Git/GitHub
- Experienced with Simulink, BIOPAC, LabVIEW
- Able to utilize Bootstrap for efficient web design

EXPERIENCE

DePaul University Student Services, Chicago, IL – *Student Employee* March 2017 – Present

- Systematically gathered and organized all exam materials for the College of Law and arranged for them to be delivered according to administered date, ensuring that all exams were available to professors in a timely manner.
- Performed administrative tasks and duties for various colleges and departments across campus when required.
- Provided necessary office assistance such as mass mailings, filings, photocopying, running errands, and other general office work.

Senior Design Project, Champaign, IL August 2015 – May 2016

- Improved the functionality and sensory feedback of a prosthetic arm through iterative design and extensive experimentation under the guidance of the Bretl Research Group.
- Implemented barometric pressure sensors in the fingertips in order to measure force during interactions.
- Designed a LabVIEW controller to acquire pressure sensor readings and convey corresponding information to the user through electro tactile stimulation via electrodes.
- Won "**Best Senior Design Presentation – Judges' Choice**" and "**Best Senior Design Vendor Display**" awards.

EntreCORPS Consulting, Champaign, IL – *Strategic Consulting Intern* September 2015 – May 2016

- Performed in-depth market research and financial analysis within teams of 6 consultants in order to assess the viability of current strategies and market plans for over 10 clients per semester.
- Identified relevant product information and constructed go-to market strategies for new ventures to access new or existing markets.
- Designed financial models and identified target areas to enhance product stability and increase long-term profitability.
- Specifically collaborated with the Project Manager to construct a business model assessing the viability of introducing a cryogenic brake rotor part into multiple South American industries.

Lu Research Lab, Champaign, IL – *Research Intern* May 2014 – October 2014

- Performed over 15 experiments transfecting DNA plasmids into bacterial cultures from various strains in order to gauge production of certain genes for further use as a cancer protein inhibitor.
- Prepared multiple stock solutions of varying chemical makeup and concentrations for future use in various experiments.
- Entered and organized data acquired from completed experiments into Excel and MATLAB, ensuring ease of access and readability for further experiments.

VOLUNTEERING

ICNA Relief Trip, Brooklyn, NY – *Disaster Relief Volunteer* November 2014

- Aided in the reconstruction and rebuilding of over 10 homes affected by Hurricane Sandy.
- Supervised the transport of over 40 volunteers to various locations and helped manage overall progress.

Glen Ellyn Children's Resource Center, Wheaton, IL – *Educational Tutor* June 2009 – August 2015

- Tutored and counseled over 50 students from low-income families with their academic work and social concerns.
- Coached students in soccer as a means of promoting unity and friendship between students, engaging them in athletic activity.