

AHSAN I. NAWROJ

B.S., M.S., M.Phil., PhD (expected 2017)

Yale University
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EDUCATION

Yale University, New Haven, CT

PhD Candidate, Engineering and Applied Science (Robotics); Advisor: Aaron Dollar May 2017 (expected)

Dissertation: Design of an articulated, network-robot for constructing discrete structures.

M.Phil., Engineering and Applied Science (Robotics) 2014

M.S., Engineering and Applied Science (Robotics) 2013

Design of a size-invariant, bulk-conductive polymer using embedding of metallic cells.

Lafayette College, New Haven, CT

B.S., Electrical and Computer Engineering with Honors 2008 – 2012

Minor: Computer Science

Summa cum laude, GPA: 3.89

Honor thesis: Design of remote rover teleoperated through a brain-computer interface.

Test Scores:

GRE: Verbal (590), Math (800), Analytical (4.5)

SAT: Critical Reading (760), Math (750), Writing (730)

LEADERSHIP EXPERIENCE

- **Yale Graduate Consulting Club (YGCC) Case Competition** Mar. 2016
 - Proposed a growth and recovery strategy for a large electronics retailer facing competition from online stores
 - Performed price modeling and return-on-investment for implementing revised digital in-store experience
- **Mechanical Engineering Introduction to Design Lab** 2014 – 2017
 - Led ~30 students for 4 semesters through various mechanical design laboratories
 - Coached students in design intuition, mathematical analysis, simulation development
 - Developed and implemented lab exercise in vibration analysis to append to curriculum
- **President of the Reeder St. Fellows** 2011 – 2012
 - Led a house of 12 individuals in organizing campus-wide intellectual discussions with attendance of 20-30/week
 - Managed weekly budget for events ~\$200/week
- **IEEE Student Branch Training Leadership Workshops (SLTW), Ohio State University** 2012
 - Region II Facilitator for the Lehigh Valley, organized workshop for ~50 attendees
- **Tau Beta Pi Pennsylvania Epsilon Chapter Leadership Board** 2011 – 2012
 - As Treasurer managed ~\$5,000 budget per semester
- **Lafayette College International Student Orientation Leader** 2010
 - Travel logistics, Tours and Organizing Social Activities for ~60 students

HONORS & AWARDS

- Albert P. Gagnebin Fellowship (Yale University) for \$64,950/yr 2014 – 2015
 - Finalist (top 4), Student Best Hardware Demonstration, ASME Smart Materials, Adaptive Structures, and Intelligent Systems Conference (SMASIS); Monetary award \$400 Sept. 2014
 - Lafayette College Reeder St. Fellowship 2009 – 2012
 - Lafayette College Dean's List (8 semesters) 2008 – 2012
 - Lafayette College Diversity Award 2008
 - GCSE O'Level Academic Distinction (Highest national score: Math, Pure Math, Geography) 2006
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