

LEILA M. SYAL

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EDUCATION

University of Michigan

B.S.E. Electrical Engineering

International Minor

Engineering Global Leadership (EGL) Honors Program

Expected Graduation: 2018

GPA: 3.62

Dean's List: 3 semesters

Key Electrical Engineering Courses:

| | | |
|-------------------------|-----------------------------|-----------------------------|
| Sophomore Courses: | EECS 215 (Circuits) | EECS 203 (Discrete Math) |
| EECS 216 (Signals) | EECS 270 (Logic Design) | EECS 280 (C++ Programming) |
| Junior Courses: | EECS 230 (Electromagnetics) | EECS 320 (Semiconductors) |
| EECS 301 (Prob & Stats) | EECS 312 (Analog Circuits) | EECS 311 (Digital Circuits) |

EXPERIENCE

R&D Intern, NSE, Stryker Instruments, Kalamazoo, MI

May – Aug 2016

- Worked with CORE console team to create modular and universal circuitry
- Designed PCB compatible with stepper motor to replace DC motor
- Potential for the PCB to be implemented in future R&D projects
- Gained experience on OrCAD Schematic Capture and Allegro PCB Editor
- Developed skills with soldering and underwent Sandbox training

7 Week Volunteer Abroad, Malawi, Africa

May – June 2015

- Taught Math, Physical Science, English, and Biology at Phalombe high school
- Worked with EKARI Foundation to reach a first time 100% passing rate

Women in Science and Engineering (WISE), University of Michigan

Sept 2014 – May 2016

- Selected to be a Peer Mentor for freshmen during second year
- Mentored two freshman to support and guide them

LEADERSHIP ACTIVITIES

Engineering Global Leadership (EGL) Honors Program

Dec 2015 – Present

- Highly selective leadership program within the Honors Program
- Working with the Tauber Institute and Ross Business School
- On planning committee for new admits Topics in Leadership class

Undergraduate Student Advisory Board

Dec 2015 – Present

- Serving as Electrical Engineering rep. on the board of 20 students
- Advise Dean Noble and other program heads in the college

Exec. Board Member, MI Health Engineered for All Lives (M-HEAL)

Jan 2015 – Present

- Director of Incubator Space, facilitating underclassmen project teams
- Former Director of Travel, organized a needs assessment trip to Peru
- Served as an active member on a previous project team – Life Lamp

Flag Line, Michigan Marching Band

Sept 2014 – Present

- Selected to be in the performance block (Block M) for all games
- Represented University of Michigan at the Citrus Bowl

OTHER ACTIVITIES AND HONORS

Violist, Michigan Pops Orchestra

Spring 2015

Volunteer, Leadership Weekend

Feb 2015 – 2016

University of Michigan Bredt Family Award

June 2013

University of Michigan Jean Fairfax Scholarship

Feb 2013