ZOHER GHADYALI

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GOAL

I pursue good user interface and experience design. Combining my passion for design with computing, I want to create a product that uses minimal input to complete a complex task for the user.

EXPERIENCE

Electrical & Software Engineer for Team Sailing Research - **Olin College** — **Summer 2014**

- Designed and built a system to increase the autonomy of blind sailors on sailboats. We produced a functional prototype using a keypad for user input and a small computer. A blind sailor successfully sailed independently during a sea trial using our system.

Software Developer for SmarterBoard - **Olin College** — **Spring 2014**

- Using image processing and machine learning, built a program that took a hand-drawn circuit diagram and produced a neatly rendered version suitable for lab reports or presentations.

Electrical Team for Olin Robotic Sailing - **Olin College** — **September 2013 - Present**

- Preparing our robotic sailboat for trans-Atlantic voyage by increasing electrical efficiency: redesigning PCBs, working with Arduino, servos, and myRIO

Web Developer & Designer for Equal Colors - **Olin College** — **December 2013 - Present**

- As part of a media class, utilized principles of cyber-activism to advocate and create a forum for racial equality in America http://zoherghadyali.wix.com/equalcolors

EDUCATION

Franklin W. Olin College of Engineering - Needham MA — **May 2017**

Candidate for Bachelor of Science in Electrical & Computer Engineering

Recipient of 4-year, 50% Olin Merit Scholarship

- Coursework includes: Products & Markets, Computer Architecture, Linear Algebra and Differential Equations II, Materials Science, Principles of Engineering

PERSONAL SKILLS

ELECTRICAL: Through-Hole & Surface Mount Soldering, comfortable using a digital multi-meter, oscilloscope, and other lab equipment, can write MatLab scripts to perform tests and read measurements

COMPUTER: Python, MatLab, Arduino C, HTML/CSS, LaTeX, SolidWorks, Adobe Creative Suite