ZOHER GHADYALI

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GOAL

Combining my passion for design with my electrical and computer background, I want to build products in the IoT, mixed reality, and autonomous vehicle spaces that are easy to use and have a positive impact on energy usage or efficiency.

EXPERIENCE

Design & Test Development Intern for Algorithms Feature Team **- Ivani LLC**   Summer 2016

- Completed 3 iterations on design of a mobile app that would replace every switch in your home with Ivani's new presence-sensing technology; developed tests that run on Ivani's presence-sensing data to compute speed and accuracy of presence detection

Program Management Intern for Data Management Feature Team **- Tableau Software**   Summer 2015

- Performed user research to develop interaction flows and designs for three new features that improve connectivity and user understanding of ETL processes in Tableau Desktop, Server, and Online

Embedded Systems Engineer for bLOCK **- Olin College**   Fall 2014

- Designed and built the electrical system and programmed the embedded system for bLOCK, a smart bike lock automatically controlled by the user's phone using BLE

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.

EDUCATION

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

Candidate for Bachelor of Science in Electrical & Computer Engineering   GPA 3.81

Recipient of 4-year, 50% Olin Merit Scholarship

- Coursework includes: Mixed Analog-Digital VLSI I, Controls, Human Factors in Design

PERSONAL SKILLS

ELECTRICAL: Analog Circuit Design, Digital Signal Processing, Embedded System Design, Through-Hole & Surface Mount Soldering, VLSI layout design, comfortable using a digital multi-meter, oscilloscope, and other lab equipment

COMPUTER: Python, MatLab, Java, Android Studio, C, Arduino C, HTML/CSS, LaTeX, Adobe Creative Suite, Node.js, MongoDB, React.js, Verilog, Xilinx