
EDUCATION**University of Houston**

Bachelor of Science in Mechanical Engineering
Minor in Mathematics

Cumulative GPA: 3.39/4.0

Houston, Texas

Expected May 2019

WORK EXPERIENCE**Lumen Motors**

Engineering Intern

Houston, Texas

June 2016-August 2016

- Worked closely with the CEO and CTO as the Leader of Motor Integration and Rapid Prototyping teams.
- Worked with other teams to calculate vehicle speeds and acceleration based on motor curves.
- Worked with other teams to integrate motors into vehicle chassis using Autodesk Inventor and PTC Creo.
- Designed external water cooling system for prototype vehicle.
- 3D printed scale models of the vehicle as well as full scale parts to be used as molds for the prototype vehicle.
- Designed and built a new extruder for the company 3D printer using Autodesk Inventor.

Bellaire High School Robotics

Mentor

Bellaire, Texas

June 2015-Present

- Educated approximately 15 students about principles of mechanical, electrical, and software engineering.
- Educated and encouraged teamwork and communication.
- Enabled students to create competitive robots with limited resources and tight schedules.

Officially recognized by FIRST Robotics.

University of Houston Scholar Enrichment Program

Tutor

Houston, Texas

January 2016-May 2016

- Assisted students with Calculus 3 content.

Office Aid

August 2015-December 2015

- Assisted Scholar Enrichment Program administrators in the office.

LEADERSHIP AND INVOLVEMENT**Bellaire High School Robotics**

Club President

May 2014-May 2015

- Coordinated with team members to train new members.
- Lead team of approximately 15 through intense 6 week robot build season followed by an extremely competitive tournament.

Member

August 2013-May 2014

- Designed and built competitive robots for both the VEX Robotics Competition and the FIRST Robotics Competition.

HONORS/AWARDS

- **Dean's List** (Fall 2015)
 - Earned a semester GPA of at least 3.5
- **AP Scholar with Honor Award** (Fall 2014)
 - Earned an average score of at least 3.25 on all AP exams taken, and scored a 3 or higher on four or more of these exams.
- **AP Scholar with Distinction Award** (Fall 2015)
 - Earned an average score of at least 3.5 on all AP Exams taken, and scored a 3 or higher on five or more of these exams.
- **VEX Robotics Competition Excellence Award – State Championship Qualifier**
 - Judged to be the top all around team at a VEX Robotics Competition.
- **VEX Robotics Competition Tournament Champions – State Championship Qualifier**
 - First place out of 23 teams.
- **2 Time VEX Robotics Competition Design Award – State and World Championship Qualifier**
 - Team with a professional design approach.
- **VEX Robotics Competition Amaze Award**
 - Team with an amazing, well rounded and top performing robot.
- **FIRST Robotics Competition Regional Winner – World Championship Qualifier**
 - First place out of 55 teams.

TECHNICAL SKILLS

- Autodesk Inventor/PTC Creo 3.0
- Linux (Debian/Ubuntu)
- Java, C/C++, MATLAB
- HTML/CSS/Python/MySQL
- 3D Printing
- Microsoft Office