

SHAWHEEN ATTAR-OLYAE

PHONE: 713.594.9995 | E-MAIL: SHAWHEENATTAR@GMAIL.COM

EDUCATION

The University of Texas at Austin, Class of 2021

August 2017 - present

- o B.S. Electrical and Computer Engineering, Honors
- o Recipient of the Virginia & Ernest Cockrell, Jr. Scholarship

Energy Institute High School, Class of 2017

August 2014 – May 2017

- o GPA: 4.73/4, Class Rank: 4/140

SKILLS AND RELATED COURSEWORK

- Computer Languages: Familiar with **Swift, Java, Python, Objective-C, C++, HTML**
- Coursework: Intro to Computing Systems, AP Computer Science
- Proficient with Autodesk Inventor and Solidworks
- Online courses: Swift Development (Udemy)

EXPERIENCES AND PROJECTS

First Robotics Competition (FRC)

Team Captain & Leadership Committee (2015-2017)

- o Led team in designing, building, wiring, and driving the team robot
- o Programmed aspects of the robot in **Java** using the Eclipse IDE
- o Competed in 2016 and 2017 FRC World Championships. Won 2nd place as 2017 World Championship Finalists. Won 2016 Rookie All-Star Award in Houston, TX.

BlueStamp Engineering Program – Mini-Segway Robot Project

June 2015 – July 2015

- o Created a self-balancing robot controlled via a Bluetooth remote control using an Arduino microcontroller and programming in **C++**
- o Worked with mentors to achieve my goals & attended presentations from engineering professionals

NASA High School Aerospace Scholars (HAS)

November 2015 – July 2016

- o Completed an online NASA science course and worked onsite at Johnson Space Center
- o Presented a “Mission to Mars” Preliminary Design Review to NASA professionals and engineers

Radio-Controlled Quadcopter – Personal Project

Fall 2014

- o Constructed a working quadcopter drone using an OpenPilot CPU and software

LEADERSHIP ACTIVITIES

Business Professionals of America

President (2014-2015), Vice-President (2016-2017)

- o Attended regional competitions and qualified to compete in state competitions
- o Led team meetings and organized fundraisers for trips to regional and state competitions

Offshore Technology Conference

Team Leader, May 2016

- o Presented a keynote address at the Offshore Technology Conference to industry professionals
- o One of eight students selected to present a keynote address, a first for the conference

Student Leadership Council

Vice President (2014-2015), Congressman (2015-2016)

- o Drafted the first Student Leadership Council Constitution for Energy Institute HS

2015 HISD State of the Schools Luncheon

School Representative, February 2015

- o Represented Energy Institute High School at the Houston ISD State of the Schools Luncheon to business and education professionals

HIGHLIGHTS AND RECOGNITION

Awards: FRC 2017 World Championship Finalists, BPA Java Programming – 2nd, BPA Small Business Management – 2nd, FRC 2016 Rookie All-Star Award Lone Star Regional, BPA HTML Programming – 2nd, C-STEM Quiz Bowl – 1st

Languages: Fluent in English and Farsi. Familiar with basic Spanish.