

Education

Plano ISD Academy High School

2013 - 2017

3.87/4.0 GPA - National Honor Society

Advanced STEAM Curriculum, Multidisciplinary Project Based Learning

Extracurricular Activities

Robotics

FIRST (For Inspiration and Recognition of Science and Technology)

2014 - Present

- Programmer and Pit Crew, 2016/17
- Pit Crew Manager - Responsible for maintaining robot during all competitions, 2015/16
- Developed strategy for efficiently achieving high value targets, 2015/16
- Responsible for updating comprehensive materials inventory, 2015/16
- Fine-tuned climbing mechanism for robot, 2015/16
- Constructed field pieces and tower for game practice field, 2015/16
- Responsible for organizing and managing storage closet, pit, tools, and materials, 2014/15 and 2015/16
- Constructed robot frame, 2014/15
- Build and Marketing team member, 2014/15

5 hours/week

(Aug-Dec)

21+ hours/week

(Jan-April)

CoCo BEST (Boosting Engineering Science & Technology in Collin County)

2015

- Built team display and operations booth
- Responsible for cataloguing storage closet, tools, and materials

5 hours/week

(Aug-Nov)

Boy Scouts Troop 1088 - Eagle Scout, mentor, and member

2008 - Present

National Honor Society - Member

2013 - Present

Plano Academy PTSA - Member

2013 - Present

Community Service

Robotics

2013 - Present

- Mentor, guide, and assist local Rookie FIRST teams during competition by providing build assistance, safety information and demonstrations, and welcome gifts
- Host FIRST Lego League tournament for local elementary school teams
- Outreach with hands on presentations during elementary school STEM nights to promote STEM curriculum in elementary schools
- Hands on demonstration of FRC competition robots to local middle school FIRST Tech Challenge teams
- Participate in annual Barnes & Noble Maker Faire promoting STEM/Robotics
- Operate school concessions stand for first year project presentation nights

Boy Scouts

2008 - Present

- **Eagle Project** (176 hours) constructing and implementing highly visible address posts for the rural community of Southern Oaks. This project was implemented to minimize EMS response time to 911 calls. This project served the 110 families living in the rural community of Southern Oaks and the Southern Oaks Volunteer Fire Department.
- Participated in Love Where You Live Community Cleanup Program; Mentored and supported Eagle Projects for other Troop Members; Various other projects (135 hours)

National Honor Society - (140 hours) Service projects for school and community

2013 - Present

Summer Camp Counselor - (90 hours) Planned and guided activities for 6-11 year olds during Kids Kamp at Athens Country Club, Athens, Texas

2012 - 2015

Achievements/Awards

Robotics

FIRST

2014 - Present

- Competed in 2016 World Championships
- After only two seasons, team is ranked 6th out of 190 Texas teams
- Advanced to Quarterfinals, finished rank 30, 2016 Texas Robot Roundup
- Advanced to Quarterfinals, 2016 Texas Robotics Invitational
- Advanced to Finals, 2016 Dallas and Lone Star Regionals
- Awarded Imagery Award in honor of Jack Kamen, 2016 Dallas Regional
- Awarded Safety Watchdog & Team Spirit Awards, 2016 Lone Star Regional
- Advanced to Semifinals, 2015 World Championships
- Awarded the Rookie All Star Award, 2015 Dallas Regional
- Achieved the Highest Rookie Seed, Dallas Regional 2015
- Advanced to Quarterfinals, Dallas Regional 2015

CoCo BEST - Regional Level

2015

- 3rd Place and awarded Nick Nickleby Sportsmanship Award

Science Fair - State Level

2013 - 2014

- 3rd Place in Biochemistry, ExxonMobil Texas Science & Engineering Fair
- 3rd Place in Biochemistry, Texas Junior Academy of Science
- The Governor's Science and Technology Champions Academy

Boy Scouts of America - Troop 1088

2012 - Present

- Eagle Scout and Member of National Eagle Scout Association

Internship Experience

Plano Mayor's Summer Internship Program

Integrity Integration Resources (I2R)

Jun - Aug 2016

- Developed and tested a training program for new employees involving Programmable Logic Controllers
- Created Employee Capability Matrix to track employee certifications and experience

40 hours/week
for 8 weeks