

Chase Browder

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UTD Application ID: 1696435

Education

Plano 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

Robotics

5 hours/week

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

off season

(Aug-Dec)

21+ hours/week

competition

season

(Jan-April)

CoCo BEST (Boosting Engineering, Science and Technology in Collin County) Robotics

2015

5 hours/week

competition

season

(Aug-Nov)

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

2008 - Present

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

2013 - Present

National Honor Society - Member

2013 - Present

Plano Academy PTSA - Member

Community Service

2013 - Present

Robotics

Ongoing

- FIRST Rookie team outreach to local rookie teams including build assistance, safety information and demonstrations, and welcome gifts
- Hosted FIRST Lego League tournament for local elementary school teams
- Outreach with hands on demonstrations through participation in elementary school STEM nights to educate and generate interest in Robotics
- Hands on demonstration of team robots to local middle school First Tech Challenge teams
- Yearly Barnes and Noble Maker Faire to promote STEM and Robotics

participation in

outreach and

community

events

<ul style="list-style-type: none"> • Operate school concessions stand for first year project presentation nights 	2008 - Present
Boy Scouts	176 hrs - Eagle Project
<ul style="list-style-type: none"> • Eagle Project constructing and implementing highly visible address posts for the rural community of Southern Oaks to minimize EMS response time to 911 calls. This project benefitted both the 110 families living in the rural community of Southern Oaks and the Southern Oaks Volunteer Fire Department. 	135 hrs -
<ul style="list-style-type: none"> • Love Where You Live Community Cleanup Program 	Various service projects
<ul style="list-style-type: none"> • Mentored and supported Eagle Projects for other Troop Members 	
National Honor Society - Service projects benefiting my school and community	2013 - Present
	175 hrs
Summer Camp Counselor - Kids Kamp at Athens Country Club, Athens, Texas	2012 - 2015
	90 Hours

Achievements

Robotics	2014 - Present
FIRST Robotics	
<ul style="list-style-type: none"> • Competed in 2016 World Championships • After competing for only two seasons, team is ranked #6 out of the 190 teams from Texas • Advanced to Quarterfinals and finished rank 30 in Texas Robot Roundup • Advanced to Quarterfinals in Texas Robotics Invitational • Advanced to Finals in 2016 Dallas and Lone Star Regionals • Won Imagery Award in honor of Jack Kamen at 2016 Dallas Regional • Won Safety Watchdog and Team Spirit Award at 2016 Lone Star Regional • Advanced to Semifinals in 2015 World Championships • Won the Rookie All Star Award at 2015 Dallas Regional • Highest Rookie Seed at Dallas Regional 2015 • Advanced to Quarterfinals at Dallas Regional 2015 	2015
CoCo BEST Robotics	Regional Level
<ul style="list-style-type: none"> • 3rd Place • Nick Nickleby Sportsmanship Award 	2013-2014
Science Fair	State Level
<ul style="list-style-type: none"> • 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 	2012 - Present
Boy Scouts of America	
Troop 1088	
<ul style="list-style-type: none"> • Eagle Scout • Member of National Eagle Scout Association 	

Internship Experience

Plano Mayor's Summer Internship Program	Summer 2016
Integrity Integration Resources (I2R)	8 weeks
<ul style="list-style-type: none"> • Developed and tested a training program for new employees involving Programmable Logic Controllers 	40 hr/wk

- Created Employee Capability Matrix to track employee certifications and experience