

Arthur Pachachura

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Austin, Texas

EDUCATION

2008 – 2012

Kealing Middle School – Magnet Program

Austin, Texas

2012 – present

Liberal Arts and Science Academy

Austin, Texas

ACTIVITIES

2009 – present

Boy Scouts of America – Troop 448

3 hrs/week

Chaplain's Aide (2010-2011)

20 weeks/year

- Offered prayer during scouting events and religious services

Instructor (2011-present)

- Advance other scouts to higher ranks
- Teach merit badges to large and small groups, including the Robotics merit badge

2011 – 2013

Mathnasium Chess Club

3 hrs/week

Active Participant

20 weeks/year

- Participated in local and online tournaments and briefed younger students on chess strategy and skill

2012 – present

Bethany Lutheran Church

2 hrs/week

Acolyte

6 weeks/year

- Participate in religious service and provided aid to the pastors

2012 – 2013

LASA Orchestra

4 hrs/week

Philharmonic Orchestra, First Violin

20 weeks/year

- Played at every concert and supported other instrument players

2012 – present

LASA Robotics

12 hrs/week

Affiliated with FIRST Robotics FTC and FRC (www.usfirst.org)

40 weeks/year

Team Lead (2012-2013, elected)

- Organized the team into cooperative sub-teams for build, programming, driving, and electronics
- Worked with sub-team leads to build and maintain an effective team strategy
- Participated in the build of the robots

Programming Team Lead (2013-present, elected)

- Create an effective sub-team strategy for building and deploying code on remote systems
- Use Gantt charts and timetables to organize team programming duties
- Implement team code version control via Git

Website Manager (2013-present)

- Write and upload content for the website
- Manage global image with social media
- Maintain file sharing and version control

2013 – present

FIRST Robotics Volunteer Program

75 hrs/week

Volunteer

1 week/year

- Volunteer yearly at the *FIRST* World Championship in St. Louis, plan to volunteer for more events in the near future
- Currently a 2-Year Volunteer

Software Inspector

- Inspect and evaluate teams' robots in accordance to *FIRST* guidelines
- Assist *FIRST* Robotics teams with software problems and inefficiencies

Field Control System Operator

- Run a match field, record specific observations about field problems, diagnose router inefficiencies and disconnections, and provide technical aid to other robotics teams

HONORS & AWARDS

2012	BSA Polar Bear Camping Award
2012	BSA UT Merit Badge University
2012	BSA National Youth Leadership Training
2012	BSA Lost Pines Summer Camp
2013	Full Orchestra UIL First Place
2013	BSA Life Scout
2013	FIRST World Championship First Year Volunteer
2013	FIRST World Championship 2013 Star Volunteer
2014	FIRST Robotics FTC Inspire Award
2014	FIRST Robotics FTC Think Award
2014	FIRST Robotics FRC Engineering Inspiration Award
2014	National Honors Society
2014	FIRST World Championship 2014 Star Volunteer

SKILLS, TALENTS & ACHIEVEMENTS

Computer Science and Electrical Engineering

- Fluent in C, C++, C#, Visual Basic, and Assembly
- Build major collaborative codebases including private and open-source
- Fanatically automate and document my coding life
- Take interest in artificial intelligence, low-level (Assembly) coding, and building simple machines to achieve complex goals

User Experience and Mobile Design

- Fluent in HTML5, CSS, and JavaScript
- Build responsive, elegant, and engaging systems
- Pursue quality designs and a lasting experience

Leadership

- Passionate about successful project design
- Boy Scouts of America Life Scout with National Youth Leadership Training
- Lead robotics teams and teach Scouts programming and engineering principles
- Love to lead and love to learn