**Selling Point:** Doing something wrong is better than doing nothing. This year I have embraced the mentality that as a new builder I should try my hardest to plunge in and make mistakes which will inevitable teach me more about design than not doing anything will.

**Roles:**

Builder, Lead programmer for telioop and Autonomous. This year built telescoping arm and collaborated on ball collector.

**When I was a leader:**

Code Reuse: All the libraries AJ and I wrote last year we reuse for the Freshman this year, and spend a lot of time helping them get to know the codebase. Work with freshman team a lot too in IR and we share code on that.

**How to Improve First?**

I would love to write and open-source code so that teams can do the bulk of their programming on an external Arduino. We did a bit of this this year and used an Arduino to control a gyro and it was awesome.

**Continue FIRST**

I would love to be a FIRST mentor someday or do work for the FIRST community through coding.

**Specialty Role**

All coding whatsoever. Built the Arm, collaborated on the ball collector and build a lot of the apparatus that attached the Candy Cane and ball shooter.

**FIRST in school**

Drive and setup for open houses

Setup and drive for all presentations to new students

Address whole school with team about joining robotics and league results many times a year

**FIRST in community**

Open source all of our code for I2C, have had a few teams contact of about using it.

Have sponsorships with PNW metal fabricators and Synapse for part fabrication.

Work closely with mentors Tim (image processing grad student) on autonomous and Larry (electrical engineer) on mechanical side of robot.

Attended Girls Gen and hosted FTC workshop