

WYATT SMITH

CONTACT

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org

EDUCATION

Dayton
Regional Stem School
August 2019 – present
Expected Date of
Graduation: may 2022
GPA 0.0/4.0 Relevant
courses: Engineering
principles

SKILLS

Computer skills:
Proficient
in: Autodesk Fusion 360,
Autodesk Inventor
Hobbies and
interests
3d
printing

WORK EXPERIENCE

Raising canes LLC, Beavercreek, Ohio
December 2020-present
Team member
Name of person you reported to, their
title, phone number
-prepared Box lunches (prepared and
cooked chicken, fries, toast, and
assembled boxes)
- Worked drive through
Worked front of house (cashier)

First FTC robotics
August 2017 – present
Designed different
sections and parts of the robot
in CAD
Assembled robot
Collaborated with my team
Participated in community
outreach

TO WHOM IT MAY CONCERN

HELLO, MY NAME IS WYATT SMITH, AND I AM A HIGH SCHOOL STUDENT AT THE DAYTON REGIONAL STEM SCHOOL. I AM WRITING THIS TO INQUIRE ABOUT A POSSIBLE INTERNSHIP IN THE AEROSPACE OR GENERAL MECHANICAL ENGINEERING SIDE OF THIS COMPANY. I AM REQUIRED FOR THIS YEAR TO OBTAIN AND COMPLETE A 72-HOUR INTERNSHIP WITH A COMPANY OF MY CHOICE. I HAVE BEEN IN THE FIRST FTC ROBOTICS FOR 4 YEARS, AND HAVE ALSO TAKES AN ENGINEERING BASICS COURSE AND AM CURRENTLY TAKING A PRINCIPLES OF ENGINEERING COURSE, AND AFTER FINDING YOUR COMPANY, WAS VERY INTERESTED IN IT, WHICH IS WHY I'M WRITING THIS LETTER.

I ORIGINALLY FOUND YOUR COMPANY AFTER LOOKING FOR MECHANICAL ENGINEERING INTERNSHIPS AND FOUND YOUR AEROSPACE SECTION VERY INTERESTING, WITH TRYING TO SOLVE PROBLEMS THAT CAN ARISE IN THE FIELD, WITH SOLUTIONS THAT WILL LAST A LONG TIME. I ALSO NOTICED THAT THIS WAS NOT THE ONLY FIELD YOU WORKED IN, BUT RATHER TOOK ON A PLETHORA OF FIELDS AND STRIVED TO DESIGN SOLUTIONS TO PROBLEMS IN EACH FIELD.

I WOULD BE A GOOD FIT FOR YOUR TEAM AS I HAVE A GOOD UNDERSTANDING OF MECHANICAL PROCESS' AND AM ALSO A FAST LEARNER, ALLOWING ME TO PICK UP NEW IDEAS QUICKLY, AND BE ABLE TO USE THEM IN FUTURE PROJECTS. IN EXAMPLE, THIS YEAR, LIKE ALL MY OTHER YEARS IN MY ROBOTICS TEAM, THERE WAS A LOT OF PROBLEM SOLVING TO ACHIEVE IN ORDER TO BUILD A WORKING ROBOT. ONE OF THE ISSUES WAS OUR LAUNCHER DESIGN, WE DECIDED TO MAKE A TWO WHEEL LAUNCHER POWERED BY A SINGLE GEARED MOTOR, AND WE KNEW THAT ONE MOTOR HAD ENOUGH POWER, BUT NOT ENOUGH SPEED TO USE IT IN ANY WAY THAT WAS EFFECTIVE. USING FUSION 360 AND PREMADE MODELS OF THE PARTS, I SUCCESSFULLY DESIGNED AND ASSEMBLED A LAUNCHER THAT WOULD FIT OUR NEEDS. THE FINAL DESIGN ENDED UP WORKING RATHER WELL, AND ITS ONLY ISSUE WAS THE RING PROJECTILE CAME OUT SLIGHTLY UNSTABLE, HOWEVER AFTER TALKING WITH OTHER TEAMS, THEY RECOMMENDED TO USE A SINGLE SPINNING WHEEL.

AS I HAD STATED EARLIER, I WOULD BE VERY INTERESTED IN A POSSIBLE INTERNSHIP IN YOUR AEROSPACE OR GENERAL MECHANICAL ENGINEERING SECTION OF YOUR COMPANY. I WILL BE FOLLOWING THIS UP WITH ANOTHER EMAIL IN 2 WEEKS. IF YOU HAVE ANY QUESTIONS ARE NEED ANY MORE INFORMATION, FEEL FREE TO CONTACT ME WITH THE EMAIL LISTED ABOVE. THANK YOU SO MUCH FOR YOUR CONSIDERATION AND I HOPE TO HEAR FROM YOU SOON.
SINCERELY,

WYATT SMITH