Contact

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Top Skills

Autodesk Inventor

Object-Oriented Programming
(OOP)

3D Printing

Tyler Harrison

Software Engineer and FIRST Robotics Mentor

College Station, Texas

Summary

I work well with a team, can manage and coordinate a group, and am
looking to grow within a company

Well versed in the following:

Management of GitHub repositories

3D Printing/CNC with Fusion 360 and Autodesk Inventor

Open-source 3D printing firmware (Marlin/PrusaSlicer)

Java and Python programming for robotic systems and UI/UX

Arduino-based hardware development

Mesh networking and reverse-tunneling over 4G LTE

Experience with Microsoft Office Suite

Amazon Web Services Deployment

Google Cloud VM Management

Windows Powershell and Linux bash

Python web scraping

Group coordination over Trello, Discord, Slack, Telegram, etc.

Currently working on:

CompTIA A+

BS in Computer Science and Information Technologies

Experience

H-E-B

1 year 7 months

Deli Associate

January 2019 - Present

College Station

Work on projects on an as-needed basis for the deli department, unload
trucks, lift heavy items, operate equipment.

Bagger

June 2018 - January 2019 (8 months)

Brenham, TX

Bag groceries, work with a team

Fulshear Ace Hardware
Sales Associate
June 2017 - June 2018 (1 year 1 month)

Maintain technology, organize spreadsheets and data, manage inventory, etc.
Assist clients with issues utilizing training and experience.

Furious Falcons (Foster High School Robotics Team)
Lead Programmer (Alumni)
August 2014 - May 2018 (3 years 10 months)
4400 FM 723 Rd, Richmond, TX 77406

Former lead programmer for the Furious Falcons FIRST Robotics team.
Trained new programmers to take over when I left. This consists of logic
calculation, trig, algebra and basic mathematics, control structures, variables,
custom libraries and interacting with the design team to program before the
robot is created. The robots in the past that I have programmed from scratch
have included advanced vision processing, co-processor interaction, custom
PID loop control structures and basic autonomous tasks such as moving boxes
and shooting balls into targets. I currently program in Java, C and some C#
(Unity) and will be expanding to C++ in the future.

Education

Texas A&M University
Computer Engineering · (2018 - 2023)

Foster High School
High School Diploma, Computer Science · (2014 - 2018)