Contact

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Top Skills

C++
GitHub
3D Printing

Tyler Harrison
Software Engineer and FIRST Robotics Mentor
College Station

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:
C++ and Object-Oriented Programming
ARM Assembly programming (programmed for ARM Cortex v6 chips)
Java programming for robotic systems and UI/UX
Management of GitHub repositories
Python web scraping
HTML/CSS/Javascript Web Development
3D Printing/CNC with Fusion 360 and Autodesk Inventor
Open-source 3D printing firmware (Marlin/PrusaSlicer)
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
Group coordination over Trello, Discord, Slack, Telegram, etc.

Currently working on:
BS in Computer Science and Information Technologies

Experience

H-E-B
2 years 10 months

Deli Associate
January 2019 - Present (2 years 3 months)
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.

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Education

Texas A&M University-Commerce
Bachelor of Science - BS, Computer and Information Systems Security/
Information Assurance · (January 2021 - May 2023)

Blinn College
Associate of Science - AS, Computer and Information Systems Security/
Information Assurance · (August 2018 - May 2021)

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