

XAVIER S. JOHNSON

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<https://github.com/Mtowncoder>



OBJECTIVE

Looking to work beside a passionate group of engineers, learn about new technology, and further my skills and knowledge of engineering. I am a fast learner and determined to make a difference.

EDUCATION

University of Tennessee Knoxville

- Major: Mechanical Engineering | GPA: 3.94 | Sophomore | Expected Graduation Date: May 2024

WORK EXPERIENCE & PROJECTS

Wagner General Construction Inc, Memphis, TN | Summer Help | June 2019-July 2019

- Assisted construction workers in daily work and maintained a clean work environment while working at various locations in the city
- Worked at Shelby Farms in Memphis wheel-barrowed rocks down incline into holes and tightened nuts to support Climbing Nest
- Assisted workers in drilling wooden slabs into metal plates for seating
- Performed interior demolition at Riverdale Elementary, hammered out ceiling tiles, cut wires and rebar, to open up space

Bosch Home Appliances, Oak Ridge, TN | Quality/Design Engineer Co-op | August 2020-Jan 2021

- Developed and modified different prototypes utilizing Siemens NX 12 and 3D printing
- Developed python script that communicates to Home Connect API Simulators, reads information, and changes specific settings.
- Designed and drafted parts utilizing Teamcenter PDM and NX 12
- Assisted quality engineers in developing a data analytical software program and with daily tasks.
- Analyzed failure symptom and AR exchange data in excel and automated data entry tasks.

Lazy Dog Robot – EF 230 – Raspberry Pi Project – Spring 2020

- Created a program in python that understands different commands and responds and/or performs an action. The robot can tell the weather, say different phrases based on mood, give the time and date, and send an email including various resources that are tailored towards engineers. I utilized the speech_recognition and Pytsx3 packages to create the voice recognition and speech of the robot. I also used an API to get a real-time weather forecast of the Knoxville area.

SKILLS & QUALIFICATIONS

- Proficient in Microsoft Word, PowerPoint, and Excel
- Proficient in Siemens NX 12, Fusion 360, Teamcenter PDM
- Experience with MATLAB, Python