

Levi Carroll

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Education

Tennessee Technological University

BS in Electrical Engineering

Cookeville, Tennessee

2014 - 2020

Experience

Dynetics

Software Engineer (Python, Java, C#, C++)

Huntsville, AL

Oct. 2021 – Present

I worked primarily as a developer in Java, Python, C#, and C++. Most of my work is developing and integrating a communication software base allowing for the interoperability of autonomous vehicles. My duties involve creating code to incorporate functionality for vehicles and sensor payloads, testing and reviewing code changes, and managing continuous integration pipelines. Separate from my regular responsibilities, I work on a research and development project creating an AR Android application to support mission tracking in the field.

GLC Technologies

Electrical/Software Engineer (Python)

Huntsville, AL

Oct. 2020 – Oct. 2021

While at GLC, my responsibilities consisted of writing automation tools for streamlining a tool-of-tools microprocessor emulation process, creating low-level models of transistor degradation, and creating and maintaining a tool for collecting and viewing gate-level microprocessor temperature models.

Center for Energy Systems Research

Undergraduate Researcher (Arduino, Python)

Cookeville, TN

Oct 2019 – May 2020

I designed and built tools to help test long-range capacitive wireless power transfer systems. I participated in field tests of high voltage long-range wireless power transfer systems.

American Cast Iron Pipe Company

Full-Time Intern (Ladder Logic, Python)

Birmingham, AL

May 2019 – Aug 2019

I saved the facility conservatively \$250,000 in process improvements, programmed PLC controls and Siemens HMI panels, and fixed problems in machinery and control systems. I also collected and analyzed data on complex systems to further improve productivity.

Skills

Programing Languages

Python	5+ Years
C++	4+ Years
Java	2+ Years
C#	2+ Years
Bash	7+ Years
Powershell	4+ Years
Arduino	3+ Years

Operating Systems

Linux	8+ Years
- RHEL	
- CentOS	
- Arch Linux	
- Ubuntu	
Windows	3+ Years
MacOS	1+ Years

Tools

Git	5+ Years
Visual Studio	3+ Years
MATLAB	3+ Years
PyCharm	2+ Years
Rest	1+ Years
Cisco IOS	<1 Year
Docker	<1 Year

References

Dr. Samson Melamed Ph.D

CTO - GLC Technologies

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Dr. Greg Creech Ph.D.

CEO - GLC Technologies

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Austin Troup

Project Manager - Dynetics

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