

# Levi Carroll

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## Education

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### Tennessee Technological University

*BS in Electrical Engineering*

Cookeville, Tennessee

2014 - 2020

## Experience

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### Dynetics

*Electrical/Software Engineer (Python, Java, C#, C++)*

Huntsville, AL

Oct. 2021 – Present

I worked primarily as a developer in Java, Python, C#, and C++. The majority of my work is developing and integrating a communication software base allowing for the interoperability of autonomous vehicles. My duties involve creating code to integrate functionality for vehicles and sensor payloads, testing and reviewing code changes, and managing continuous integration pipelines. Separate from my regular duties 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 the streamlining of 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 'in the 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 in an effort to further improve productivity.

## Skills

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### Programing Languages

Python	4+ Years
C++	2+ Years
Java	1+ Years
C#	<1 Years
Bash	7+ Years
Powershell	2+ Years
Arduino	3+ Years

### Operating Systems

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

### Tools

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

## References

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### 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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