

Brandon Karnoski

League City, TX

-Email me on Indeed: <http://www.indeed.com/r/Brandon-Karnoski/b9e2bfe5f44cc313>

Work Experience

Embedded Software Engineer

Cimarron Software Services, Inc.

October 2021 to Present

- Provided technical consultancy on flight software, written in C code
- Developed effective integration test procedures and scripts/scenarios for required tests
- Analyzed real-time data and document failures/defects during test execution
- Assessed post-test data analysis, prepare test execution results, and report test result status
- Improved simulation automation through use of Linux shell scripts

Electrical Engineer

Raytheon Technologies

November 2019 to September 2021

- Propose/implement solutions to return failing RF electronics to a deliverable state.
- Developed Python scripts to automate checking of control files.
- Developed scripts to find distributors for availability and pricing of parts.
- Troubleshoot electronic; Calibrate and review data of newly built hardware for passing operation.
- Created Python scripts to Improve readability of test results for checking data against test parameters and plotting the results.

Electrical Engineering Intern

HDL Research Lab Inc

December 2017 to August 2018

Power electronics for military and aerospace applications

- Modeled schematics, calculated component values and switching losses for buck flyback converters.
- Identified properties for transformer and inductor designs.
- Developed test procedures and equipment for in house circuit boards.
- Created test documents detailing input voltages and expected output voltage responses.
- Utilized circuit theory techniques to perform stress analysis on project schematics for specified deratings according to MIL standards.

Education

Bachelor of Science in Electrical Engineering

Texas A&M University

Skills

- C++

- C
- Linux
- Software development
- Firmware
- OS Kernels
- ARM
- Python
- Scripting
- Git
- Shell Scripting
- UNIX

Links

<http://linkedin.com/in/brandonkarnoski>

Assessments

Logic & critical thinking — Highly Proficient

July 2019

Using logic to solve problems.

Full results: [Highly Proficient](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.