

LARRY MARSHALL

ELECTRICAL/APPLICATIONS ENGINEER

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Profile

Electrical & Applications engineer with 2+ years experience in R&D, 3+ years experience in electrical engineering and tester design, 4+ years experience in web-based full-stack applications development and a veteran of the USAF, honorably discharged. Specialize in rapid development/deployment of a variety of custom user-defined applications in a production/R&D environments, complex circuits analysis and design, and intricate algorithm utilization and design.

Skills

Web Design

Full-Stack design using Python, Flask, Django, CSS, HTML, Javascript and related frameworks.

Interface Design

User-defined, rapidly developed, production-ready interfaces deployed on a regular basis.

Hardware/Software

Adept at designing hardware/software interfaces, software controlled hardware and combinations thereof.

Technical

Python

Javascript

Windows 7/10

CSS

PHP

Mac OS

HTML

Jquery

Linux

Experience

DENSO

2018 - present

Tester Design Engineer

Design, implement and maintain tester software, hardware and specifications, ensuring cutting edge & modern inspection of customer PCBs according to provided design specifications. Implement user-defined software applications to enable more efficient, effective use of man-hours. Provide Python packages enabling software-oriented engineers a reusable code-base upon which to rely.

University of TN, Knoxville

2017 - 2018

Undergraduate Researcher

Engage in novel research simulating demand response energy transmission networks utilizing configurable, user-facing, automated loads through a programmable interface. Data parsing, aggregation, and formatting provided utilities with actionable metrics upon which to frame confounding factors in the demand response network.

Knoxville Utilities Board Researcher

2018

Undergraduate Researcher

Identify transmission networks which would most benefit from additional protection through calculation, estimation & simulation using novel and existing techniques, where tracibility and presentation was of utmost importance.

United States Air Force

2007 - 2015

Munition Systems Expert

Design, implement, build, maintain, store, modify, transport and account for mission critical munition systems both stateside and in overseas, wartime conditions. Work effectively in team environment in both a leader and follower position. Effectively communicate mission-critical projects and progress to commanders, leadership and peers.

Education

University of Tennessee, Knoxville

Electrical Engineering — **Summa cum laude — 3.86/4.0**