

Todd Carney

Software Engineer

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(573) 489 - 6149

EXPERIENCE

AgJunction, Scottsdale, AZ — Embedded Software Engineer

SEPTEMBER 2019 - PRESENT

Software lead for a next generation auto-steering (like self driving but only the steering for agriculture) product.

Implemented Docker on an embedded linux device providing greater modularity which allowed my software team to use a microservices architecture on an embedded system.

General Dynamics, Scottsdale, AZ — Software Engineer

MAY 2015 - SEPTEMBER 2019

Responsible for the development and maintenance of the testing software (C#) and data analysis tools (Python) of a software defined radio.

Maintained the embedded software (C++) of a software defined radio used for production and engineering testing

Upgraded the security and encryption of an application to use TPM 2.0 from TPM 1.2. Implemented symmetric and asymmetric encryption algorithms.

EDUCATION

Arizona State University, Tempe, AZ — Electrical Engineering

AUGUST 2013 - MAY 2017

Concentration in digital signal processing

PROJECTS

Personal Site — Web Application

URL: <http://trcarney.com>

Source Code: <https://github.com/trcarney88/portfolio>

Plishd — Web Application

URL: <http://44.234.221.146/>

Source Code: <https://github.com/trcarney88/plishd>

SKILLS

- Embedded Development
- Basic Web Development
- Docker/Docker Compose
- Basic Web Development
- Knowledge of AWS
- Data Analysis
- Problem Solving
- Ability to quickly learn and apply new skills
- Presenting technical information to nontechnical audiences

LANGUAGES

- Python - Proficient
- C++ - Proficient
- C# - Proficient
- Html - Intermediate
- CSS - Intermediate
- Javascript - Basic
- React - Basic

FRAMEWORKS

- Django
- Severless
- React
- Gatsby
- .NET

