

Mathew Esporas

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TECHNICAL SKILLS

Languages and Industry Tools:

Python, Bash, JavaScript, Linux, Git, Robot Framework, Wireshark, Jira, Confluence, TestRail, Swagger, Postman

WORK EXPERIENCE

ThinKom Solutions, Inc.

July 2020 – Present

Software Test Engineer

- Create, maintain, and execute automated and manual test procedures for **Linux** based aircraft antenna systems
- Develop **Python** and **Bash** scripts to automate tasks that will verify system behavior based on specifications
- Drove development in test automation by demonstrating the use of **Robot Framework** to software team leads
- Removed the need for engineers to manually log test results by integrating Robot Framework with **TestRail**
- Reduced time to verify **RESTful** responses by 50% with greater accuracy by automating the process
- Responsible for reproducing and troubleshooting customer issues for major aerospace companies

Panasonic Avionics Corporation

June 2016 – July 2020

Software Integration Test Engineer

- Conducted end-to-end tests on Inflight Entertainment systems to verify functionality prior to software build release
- Troubleshooted internal and customer facing software issues on **Linux** based embedded systems
- Create automation scripts using Linux commands and PAC's internal tools
- Generated system configuration database files according to wiring diagrams and customer requirements

Broadcom

June 2015 – May 2016

Test Engineering Intern

- Ran stress tests for Ethernet devices against various cable lengths and temperature environments
- Operated oscilloscopes, network analyzers, and other electrical equipment to verify device performance

VOLUNTEER EXPERIENCE

freeCodeCamp

March 2020 – July 2020

Open Source Contributor

- Published a **JavaScript** program to freeCodeCamp's Curriculum Expansion project to teach users the purpose and the methodology of unit testing through step by step instruction and hands on implementations
- Worked with a software engineer from freeCodeCamp to understand their need and to provide a related project
- Recognized by the founder of freeCodecamp as a Codebase Top Contributor in 2020

CODING PROJECTS

Recipe Viewer <https://github.com/mesporas1/RecipeViewer> | <https://mobile-recipe-viewer.herokuapp.com/>

- A website that parses recipes from popular recipe websites using **Node.js**, **Express**, and **React**
- Designed a practical **UI** where users can view the recipe and ingredients on **mobile** devices
- Processed recipe data from websites with **cheerio**, a **jQuery** based library

EDUCATION

University of California, Irvine

September 2012 – June 2016

B.S. Electrical Engineering with Specialization in Digital Signal Processing