




REVAN JAFAR

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 http://revanjafar.com (WIP)  github.com/rjafar

SKILLS

Languages:

Python, JavaScript,
HTML, CSS, Java,
YAML, C, C++

Frameworks & Libraries:

jQuery, React,
Bootstrap, Boost,
Cytoscape.js, D3.js,
Spring MVC/Boot

Tools:

Git, Vim, Unix/Linux,
Eclipse, PyCharm,
Visual Studio, Jira,
Trello, Maven, Heroku

Database:

MongoDB, MySQL

Design:

Inkscape, Balsamiq

Test:

JUnit, Google Test,
VectorCAST, TestLink,
Jenkins, pytest, jest

Methodologies:

Agile, SCRUM, Test
Driven

Hobbies:

Traveling, kickboxing,
and trying new
things every day!

EXPERIENCE

Raytheon, Software Engineer

January 2017 - January 2020 | Anaheim, CA

- Designed, developed, and tested command and control interface for a real-time embedded system using **TCP/IP** network sockets (**Python, C**)
- Implemented feature to parse network reports, display them on the UI, and persist users' chosen properties (back-end: **Java**, front-end: **JavaScript, HTML, CSS, jQuery, JSON**)
- Enhanced network graph functionality to filter, highlight, and display shortest paths between **100+** nodes in a Sankey diagram for routing protocols (**JavaScript, HTML, CSS, Cytoscape JS, Bootstrap, D3.js**)
- Built capability to take in survey metadata such as packet, circuit, and network sources and user selection criteria to automatically determine a priority rank-ordered list of signals/case notations (**C++, Boost, Google Test**)
- Created parsers and templates for utilizing **open-source** tool NetCoPa to parse network configuration files to feed into network visualizer (**Python, YAML, Jinja2**)
- Developed for graphical server system design tool written in **Qt/C++**, employing **CI/CD** via **Jenkins** in **Agile** development environment

NASA's California Space Grant Consortium, Arduino Programming & Development Intern

June 2015 - August 2015 | UC San Diego

- Programmed and designed circuits using **Arduino UNO/C** to control various sensors and collect data from near-space balloons.
- Assembled and soldered a **Geiger Counter** and successfully tested various dormant radioactive materials emitting beta and gamma rays.

PROJECTS

revanjafar.com (work in progress)

- Dynamic web portfolio built with **JavaScript** and **React**, hosted on **Heroku**.
- Original art designed with **Inkscape**. Layout designed with **Balsamiq**.

linktuit

- URL shortener service with a **RESTful API** allowing users fast redirection
- Simple, user-friendly UI built with **JavaScript** and **React**. **Spring Boot** backend written in **Java** with **MongoDB** database.

EDUCATION

University of California, San Diego

Sept. 2012 - June 2016

B.S. Math-Computer Science, Minor: Business

LEADERSHIP

President Raytheon Women's Network (RWN)

Treasurer Women In Computing (WIC)

Team Lead SWE Tech Team - Programming