ROD WOODMAN

Sunnyvale, CA
https://www.linkedin.com/in/rodwoodman
https://rodwoodman.com
roderickwoodman@gmail.com

SUMMARY

Software engineer whose primary motivation is the need to satisfy the end users. Balances systems thinking with an attention to detail to solve whole-product challenges with quality. Draws inspiration from great information communicators like Edward Tufte and Steve Krug. Looking to engineer dashboards and user interfaces as part of a collaborative team.

PERSONAL WEB APPS

BOARDGAMEINATOR
A boardgame comparison site.
ReactJS, Bootstrap, BoardGameGeek.com API
https://roderickwoodman.github.io/boardgameinator/

TRAILPROFILER
A place to chart and edit together GPX trail files and their associated JPG photo files.
VueJS, ChartistJS, Bootstrap
https://roderickwoodman.github.io/trailprofiler/

COMPARINGSTOCKS
A tool for generating meaningful performance and allocation data for your stock holdings.
ReactJS, Alpha Vantage API
https://roderickwoodman.github.io/comparingstocks/

EXPERIENCE

ARUBA NETWORKS (A Hewlett Packard Enterprise Company) - Santa Clara, CA   2016-present
Aruba Networks is an 1800-person mobile-first networking company owned by Hewlett Packard Enterprise Company.

Senior Software Engineer, Applications - ClearPass product (on-prem network access control)
Solely responsible for the ClearPass config sync tool. It allows network admins to audit and optionally remediate the configurations of all of their systems. The application is a Web front-end dashboard (ExtJS, SASS) and an Aruba-ClearPass-hosted back-end (G0, REST APIs).
- Designed the UI wireframes from customer input.
- Created custom, internal APIs to connect the front end to the back end.
- Implemented back-end sorting, filtering, and exporting of audit results.

Senior Software Engineer, Applications - Aruba Central Guest Access product (cloud-native visitor services)
Member of a team of developers responsible for the Guest Access cloud product. Added troubleshooting features to the support dashboard to help the support staff diagnose errors. The application is a Web front-end dashboard (AngularJS, Bootstrap) and cloud-hosted back-end (Pyth0n). Development follows a continuous integration model.
- Connected to 3rd party APIs like Twilio and SendGrid.
- Created custom, internal APIs to pass data between the front end and the back end.
- Added and enhanced the architecture and configuration information on the wiki.

TRUEPATH WIRELESS - San Jose, CA   **2015-2016**
Truepath Wireless was an 11-person startup that provided terrestrial, wireless Internet to cruise ships near port.

Senior Software Engineer, NMS
Solely responsible for the Network Management System (NMS) product. This code logs, displays, and reports all of the continuously-collected network quality data from dozens of mobile endpoints. It includes device-side "agent" code (PHP/bash/cron), Web front-end dashboard code (HTML, CSS, JavaScript, Bootstrap, jQuery, HighCharts, Google Maps), and server back-end code (Pth0n, Fl@sk, M0ngoDB, REST).
- Redesigned the dashboard UI to support multiple endpoint types and additional data streams. Gathered requirements from customer and business stakeholders.
- Sped up the pace of NMS improvements by releasing new code every 2-3 weeks.
- Collaborated with FW and network engineers to integrate new, third-party endpoint hardware
- Designed and implemented a compression algorithm that reduced the device-generated network quality stats files to 16% of their original size.

CODING DOJO - San Jose, CA   **2015**
Web Developer Resident

CISCO SYSTEMS - San Jose, CA   **2005-2014**
Diagnostic Software Engineer

TECHNICAL SKILLS

Frameworks: HTML, CSS, JavaScript, AngularJS, ExtJS, ReactJS, VueJS, Highcharts
Tools: REST APIs, VSC, Git, Bitbucket, JIRA, vim, Sublime Text 2, Adobe Photoshop, Balsamiq, Omnigraffle
Methods: OOP, SPA, wikis, user-centered design (UCD), wireframes, card sorting, site maps

EDUCATION

Coding Dojo | Blackbelt, MEAN Stack | San Jose, CA
UCSC Extension Silicon Valley | Web Design Certificate | Santa Clara, CA
Santa Clara University | M.S. Computer Engineering | Santa Clara, CA
California Polytechnic State University | B.S. Electronic Engineering | San Luis Obispo, CA

INTERESTS

I enjoy the endless creative space that is present in **photography, writing, and editing**. I love forming an opinion on what matters most, and then weaving together all of the many bits of subjective information into some useable end thing.

And my weekends as a **youth soccer referee** are so fun in so many other ways, that if I ever get a dog I will be naming it "Dogso". ;-)