John Myrda
Software Engineer and Hardware Hacker

☎ (708) 507-1108
✉ hello@johnmyrda.com

⌘ www.johnmyrda.com
⬡ github.com/johnmyrda
in linkedin.com/in/johnmyrda

EDUCATION

University of Illinois Urbana-Champaign *December 2012*
> Bachelor of Science in Engineering Physics
> Minor in Computer Science

EXPERIENCE

Cloudmark, *Software Development Engineer in Test* *San Francisco, CA*
- Wrote Python and bash based tools to automate software release workflow. *Oct 2015 - July 2018*
- Designed a web based tool to accelerate smoke test process.
- Wrote automated tests in a custom Python test framework.
- Set up multi-system test environments with Docker and VMs to run tests and analyze performance.
- Investigate bugs using C source code, REST APIs, a Python test harness, and Linux debugging tools.
- Write and execute test plans for a high performance email and mobile messaging platform.

Wells Fargo, *Automated Regression Analyst* *San Francisco, CA*
- Built RESTful APIs for web tools with JAX-RS/Jersey, Jackson, and SQL. *Feb 2015 - Oct 2015*
- Architected web tools for the regression testing team with Java and the Google Web Toolkit (GWT).
- Analyzed failures of Selenium tests for Wells Fargo mobile websites and fixed errors in test scripts.

UIUC Engineering IT *Urbana, IL*
Helpdesk IT and Linux Specialist *Feb 2014 - August 2014*

- Provided user support for Linux issues in the College of Engineering.
- Identified hundreds of legacy Linux systems and migrated them to UIUC maintained Linux distribution.
- Maintained documentation for Engineering IT Linux distributions and common technical tasks.
- Managed training and schedules for 12 Help Desk student staff members.
- Created web tools with PHP, MySQL, and JavaScript to monitor printer supply levels, access warranty information, and track equipment check-outs.

SKILLS

Programming Languages: Python, C, Java, C++, JavaScript
Technical Skills: PCB design , Soldering, Arduino & AVR Microcontrollers, Git & SVN

PERSONAL PROJECTS

Countdown Timer
Converted an "Easy Button" into a configurable and resettable countdown timer using 7 segment displays, a TI MSP430 microcontroller, and firmware written in C.

Lightbox Sign
The lightbox can act as a whiteboard and served as the sign for a Burning Man camp. I wrote an LED pattern library to use with Arduino to control the lights. The lights display a sequence of entrancing animated patterns.

Connected Globes
6 clusters of 24 LEDs connected by long 3-wire cables and diffused with Chinese lanterns. I designed a custom PCB for the controller. I extended my pattern library with more animations that better suit the ring-like geometry of this fixture.

Midi Drum Lights
Built a multi-device light controller for colorful real-time visualizations of an electronic drum kit using MIDI , 2 Arduino devices, and the i2c protocol.