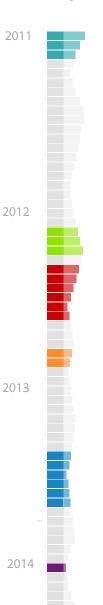
# **Nick Skelsey**



# **Highlighted Experiences**



# **Arduino Laser Tag**

Winter 2011

Designed, built, programmed and tested an infrared marker that used Bluetooth to communicate with an Android smartphone. This was the first code I ever wrote.

**Do Stuff** Winter 2012

Conceived, pitched, and led the development of a location based Todo list Android app with the UVA Student Game developers. I learned a lot about leadership as the project slowly fell apart.

# **UVA Software Dependability Group**

Summer 2012

Sole developer of web-based analytics tool for understanding and predicting medical device failure data in the FDA's Manufacturer and User Facility Device Experience (MAUDE) Database. The web-tool was a javascript enabled django app which interacted with several MySQL databases.

#### **Automated EC2 Bots**

Fall 2012

Demonstrated exploitable vulnerabilities in two live web applications (change.org and uservoice.com) using Amazon's elastic cloud compute and Selenium, a web browser automation tool. UVA's student council stopped promoting their feedback system after I demoed this.

#### **Distil Networks**

Summer 2013

Developed test environment and test-suite for Distil's automated web-robot detection. The environment consisted of several small ubuntu servers that mimicked third parties our servers interacted with. I also installed and automated some of the administration of a Hadoop cluster on EC2 using Ambari and python scripts.

#### **Tom Tom Founders Festival**

Winter 2014

Developed the Tom Tom Festival's CMS and website for the 3rd annual festival. I worked closely with event staff and graphic designers to get the site live in a two week period. tomtomfest.com

#### Flask-ZeroKAuth

Present

Currently developing a login extension for Flask that uses a zero knowledge proof to authenticate users. This is just a class project that I am proud of.

## **Education**

#### University of Virginia

School of Applied Sciences and Engineering Class of 2015 B.S. in Computer Science GPA: 3.36

#### **Brunswick School**

Attended from 2000 to 2012 SAT: CRIT 790 MATH 760 READ 660

## References

#### Mike Freenor

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