

Kirk Elifson

☎ 813.732.6617 • ✉ kirk@parodybit.net • 🌐 kirkelifson

Education

University of Central Florida

Orlando, FL

B.S. Interdisciplinary Studies (Computer Science, Physical Sciences, Behavioral Sciences)

2012–2017

• Completed: C Programming, Computer Science I & II, Security in Computing, Object Oriented Programming

Experience

Preferred Athlete Scouting Services (preferredathlete.com)

Remote

CIO (Ruby on Rails, Debian)

June 2015–Present

• Developing the scouting report web-application.

Amazon

Seattle, WA

Security Engineering Intern (Python)

May 2017–August 2017

• Developed foundation for an automated threat response framework.

• AWS infrastructure: Lambda, DynamoDB, SQS, API Gateway.

• Responds to security events via action modules.

On the Board (ontheboard.com)

Remote

Lead Developer (Ruby on Rails, Debian)

October 2016–November 2017

• Developing the recruiting web-application.

Raytheon

Arlington, VA

Vulnerability Research Intern

June 2016–August 2016

• Researched deserialization vulnerabilities.

• Expanded upon publicly available tooling for faster class searches.

GuidePoint Security

Remote

Application Security Intern (Checkmarx, Ruby on Rails)

June 2015–June 2016

• Developed internal Rails web-application for report generation.

• Analyzed, reported vulnerabilities using static analysis tools.

QTR Systems

St. Petersburg, FL

Junior Software Developer (C#, Python)

April 2014–March 2015

• Developed staff backend displaying patient map, and administrative interface for managing residents.

Extra-curricular

- Co-founder of Hack@UCF:
 - Hack@UCF is a computer security club that is now one of the largest student organizations at UCF.
 - Presented to Tampa Preparatory School students on Hack@UCF and our competitions.
 - Panel speaker at ScholarCon 2015 on founding of Hack@UCF.
- Knightsec "Capture the Flag" team:
 - Solved challenges in: OpenCTF, CSAW Quals, and MITRE CTF.
 - Placed 8th of 16 in CSAW Finals 2015
 - Placed 10th of 50 in Microsoft Build the Shield 2015 Finals.
- Attended DEFCON 20, 23, 25 (2012, 2015, 2017) and B-Sides Tampa (2014, 2015).
- Presented "Ruby, RVM, and Rails" at "Knight Hacks" club meeting.
- System administration: Administrator of multiple Debian servers running email, web, and game servers.
- Other interests: Rocket launches, electric cars, camping, and kayaking.
- Boy Scouts: Eagle Scout (2012), Vigil Honors in Order of the Arrow (2013).

Projects

Parking Meter

github.com/kirkelifson/parking-meter

October 2017

• Scrapes UCF parking data, displays historical data.

SignalFlare

github.com/kirkelifson/SignalFlare

April 2015

• Ruby gem updating DNS records for servers with dynamic IP addresses.