

Kirk Elifson

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Education

University of Central Florida

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

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

Orlando, FL

2012–2017

Experience

Amazon

Security Engineering Intern (Python)

- Developing an automated threat response framework.
- AWS infrastructure: Lambda, DynamoDB, SQS, API Gateway.
- Responds to security events via action modules.

Seattle, WA

May 2017–August 2017

On the Board (ontheboard.com)

Lead Developer (Ruby on Rails, Debian)

- Developing the recruiting web-application.

Remote

October 2016–Present

Raytheon

Vulnerability Research Intern

- Researched deserialization vulnerabilities.
- Expanded upon publicly available tooling for faster class searches.

Arlington, VA

June 2016–August 2016

Preferred Athlete Scouting Services (preferredathlete.com)

CIO (Ruby on Rails, Debian)

- Developing the scouting report web-application.

Remote

June 2015–Present

GuidePoint Security

Application Security Intern (Checkmarx, Ruby on Rails)

- Developed internal Rails web-application for report generation.
- Analyzed, reported vulnerabilities using static analysis tools.

Remote

June 2015–June 2016

QTR Systems

Junior Software Developer (C#, Python)

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

St. Petersburg, FL

April 2014–March 2015

Extra-curricular

- Co-founder of Hack@UCF:
 - Presented to Tampa Preparatory School students on Hack@UCF and our competitions.
 - Panel speaker at ScholarCon 2015 on founding of Hack@UCF.
- Knightsec CTF team:
 - Solved challenges in: OpenCTF, CSAW Quals, and MITRE CTF.
 - Placed 8th in CSAW Finals 2015
 - Placed 10th 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

- Scrapes UCF parking data, displays historical data.

August 2017

SignalFlare

github.com/kirkelifson/SignalFlare

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

April 2015