

## Work History



### Salesforce

#### Senior Security Engineer

Start: February 2017

- Helped build out SSDL program
- Helped install DevSecOps into new microservice deployment system
- Secured new upcoming Salesforce features
- Triaged bugs submitted to private bug bounty
- Audited applications submitted to Salesforce App Exchange
- Promoted to Senior in first 6 months



### Hillary For America

#### Security Engineer

Start: September 2016

End: December 2016

- Setup automated scans for web applications and internal networks
- Participated in design reviews to integrate security from the ground up into applications
- Manually reviewed dozens of microservices
- Performed security awareness training
- Deployed honeypots to alert and capture malicious activity
- Setup automated monitoring and alerts for voter suppression plots



### Praetorian

#### Security Engineer

Start: February 2016

End: July 2016

- Conducted approximately 20 pentests
- Performed network pentests for clients typically culminating in site-wide compromise
- Performed IoT pentests including JTAG/UART discovery and firmware extraction
- Built custom PCB hardware to assist with assessments



### indeed.com

#### Security Engineer Intern

Start: June 2015

End: September 2015

- Conducted dozens of internal web pentests
- Engaged with developers via periodic security training
- Setup automated web application scanning



### Security Innovation

#### Security Engineer Intern

Start: July 2014

End: February 2015

- Tested approximately 14 web applications
- Discovered hundreds of web vulnerabilities
- Engaged with stakeholders and helped with the remediate issues
- Performed research on WiFi hacking and Bitcoin mining

## Projects

### TruffleHog

A secrets finding tool, that goes through commit history and detects high sources of entropy

Python

Star 2,129

### Pastejacking

A type of browser attack that targets the user's clipboard

Javascript, html

Star 1,272

### WPA2-HalfHandshake-Crack

This python tool cracks failed handshakes from fake Access Points.

Python, 802.11

Star 393

### Snapper

A visualization tool for viewing many web hosts

Python, PhantomJS

Star 187

### Window Hijacking

A type of browser attack that redirects user trust from trusted websites

HTML, Javascript

Star 110

## Skills & Abilities

Python · Node.js · Web Security · Code Reviewing · Penetration Testing · Red Teaming

## Press

- [Softpedia: Pastejacking](#)
- [The Inquirer: TruffleHog](#)
- [Security Week: XSSJacking](#)