

# Michael Bailey

michaelbailey.co  
linkedin.com/in/cybermichael  
github.com/mike-bailey

Alexandria, Virginia  
(703) 282 4029  
mbaile18@gmu.edu  
github.com/srct

## Technical Experience

Technical Intern – The Crypsis Group (Tysons)	Summer 2016 – Present
<ul style="list-style-type: none"><li>- Elaborated on in Recent Projects, automation with Ruby and AWS</li><li>- PHP and Javascript malware reverse engineering</li><li>- Gained an in-depth understanding of client-based services</li></ul>	
IT Consultant – NanoTech Computers (Alexandria)	2015-2016
<ul style="list-style-type: none"><li>- The only tech at IT shop, specializing in Linux systems in-house and Mac/PC fixups</li><li>- Deployed VoIP systems across the network and a low-budget backup solution</li></ul>	
Consultant (Internship) – Métier Defense Solutions (Dulles)	Summer 2014
<ul style="list-style-type: none"><li>- Mobile Device Security and Linux Systems Administration</li><li>- Reverse Engineering of Android packages to find vulnerabilities</li></ul>	
Mason Competitive Cyber Security Club – President	2016-Present
<ul style="list-style-type: none"><li>- Weekly meetings of up to 60 people to study practical, real world cybersecurity fundamentals</li><li>- Worked with the Office of Student Involvement to run events</li></ul>	
Marshall Academy Cyber Security Club – President	2015
<ul style="list-style-type: none"><li>- Approximately 150 person organization I ran my senior year of high school, coordinating a club history peak of 150 members</li></ul>	

## Education and Certification

George Mason University	Class of 2019
<ul style="list-style-type: none"><li>- Mason Competitive Cyber President</li></ul>	
<ul style="list-style-type: none"><li>- VSE STEM Outreach</li></ul>	
<ul style="list-style-type: none"><li>- Student Run Computing and Technology Systems Administrator</li></ul>	
<ul style="list-style-type: none"><li>- Mentor for 3 Frost Middle School CyberPatriot Teams</li></ul>	
Marshall Governor's STEM Academy	
<ul style="list-style-type: none"><li>- Academy STEM Ambassador</li></ul>	
<ul style="list-style-type: none"><li>- Computer Systems A+, Network Administration</li></ul>	
Certified in...	2015 to Present
<ul style="list-style-type: none"><li>- CompTIA A+, Microsoft Technology Associate</li></ul>	
	2010 to Present

## Awards and Achievements

- HoyaHacks Hackathon "Best Embedded Hack"	2016
- MakeCU Best Use of AWS, 2 <sup>nd</sup> in MedTech Hack	2016
- National Finalist Captain (1 of 12 in Nation) in CyberPatriot VII	2015
- Finalist, HS and College Division Maryland Cyber Challenge	2013-2015
- 13 <sup>th</sup> Place in CyberPatriot VI (Semifinalist) Nationally	2014
- VA Governor's Cyber Club 2014 Winning Team	2014
- State Champion Team, 2 <sup>nd</sup> in Region – CyberPatriot	2014

## Recent Projects

- Crypsis Slack Bots (all using Ruby)
  - o AWS Bot –Allows group to list running EC2 instances, spin up instances, and list and download objects
  - o Intel Bot – Offers GeoIP lookup (including any known threat intelligence on the IP), file hash lookup, CVE lookup, BTC exchange rate, URL to screencap conversion, etc. Was presented at Splunk .conf 2016.
- DFIR Automation (particular name under NDA)
  - o Ruby web interface that generates executables to collect key DFIR artifacts from victim computers, sends them to AWS S3 (a dropbox-like service), where they're distributed to a managed cluster to be processed using various tools into plaintext logs for analysis, then re-uploaded to S3