

# **Tyler Christian Butler**

## **PROFESSIONAL EXPERIENCE**

### **Deloitte, Application Modernization | Mainframe Application Developer**

**Washington, D.C.**

December 2019 - Present

- Refactored legacy COBOL and z/OS IBM assembly applications into migrated Java applications
- Engaged in all aspects of Dev Ops life cycle, including infrastructure and configuration management, code analysis and refactoring, assembly/COBOL/ and java app development, and CI/CD pipeline
- Developed Java utilities for database download and transfer, encryption and authentication, and builds

### **Deloitte, Government and Public Services | Cyber Risk Consultant**

**Washington, D.C.**

August 2019 - Present

- Served as lead Tableau developer to design, implement, and maintain Tableau dashboards to digest large network incident logs and display real-time, dynamic reports to senior leadership for clients SOC.
- Worked with architecture and implementation teams to improve cyber security project tracking, inter-agency communications, cyber security service catalog, and service delivery models.

### **Hackerone | Freelance Security Researcher**

**Remote**

#### **Hinge Private Program**

April 2020 - Present

- Recognized as the 3<sup>rd</sup> top security researcher for Hinge's private bug bounty program on Hackerone

### **The Foundation for Defense of Democracies | Research Intern**

**Washington, D.C.**

#### **Center for Economic and Financial Power (CEFP)**

Jan 2019 – April 2019

- Conducted financial intelligence (FININT) and open source intelligence (OSINT) collection and analysis to support various objectives. Tracked illicit finance operations of terrorist organizations using cryptocurrency.
- Curated semi-weekly briefs on terrorism, sanctions, cryptocurrency, blockchain, and corruption related to national security. Briefed senior fellows, former IC and government officials on cryptocurrency trends in foreign countries, specifically focusing on Iran, Russia, China, and Venezuela.

#### **Project on Cyber-Enabled Economic Warfare (CEEW)**

Jan 2019 – April 2019

- Provided research support on 5G cellular technology, Certificate Authorities, and GNSS Spoofing.
- Facilitated events hosted at FDD for U.S government officials and military personnel.

### **Deloitte, Government and Public Services | Cyber Summer Scholar**

**Washington, D.C.**

June 2018 – July 2018

- Developed diagrams for a prototype AWS cloud architecture solution for a proposed smart city web application.

## **EDUCATION**

### **The Pennsylvania State University, University Park**

**Graduated: December 2018**

#### **College of IST, Security and Risk Analysis, Intelligence Analysis and Modeling (B.S)**

GPA: 3.42

- Specialized in Intelligence, Analysis, and Modeling (IAM) to pursue passion for intelligence work. Lead teams of students through two, semester-long intelligence analysis simulations focused on terrorism and deception.
- Used various analytic models and tools to create finished intelligence products from raw all-source intelligence.

#### **College of Liberal Arts, Criminology (B.A)**

GPA: 3.42

- Guided students through capstone report as Teaching Assistant for Criminology 430, "The American Correction System". Achieved honors for the College of Liberal Arts Deans List.

#### **NCAA Division 1 Men's Lacrosse, Defensemen**

August 2014 – May 2018

- Achieved awards as Academic All-Big Ten Honoree. Presented with the Citizenship award in 2018, given to a member of the team who best combines the qualities of character, classroom and community service.

## **PUBLIC SERVICE & VOLUNTEER**

### **Midway Volunteer Fire Department, Firefighter**

**Lahaska, Pennsylvania**

### **Boy Scouts of American, Eagle Scout**

**Carversville, Pennsylvania**

## **CERTIFICATIONS**

Mainframe Application Programmer – Mainframe Programming Environment (Interskill)

January 2020

Amazon Web Services Cloud Practitioner

August 2019

NSA/DHS CAE-CDE Certificate

December 2018

Offensive Security Certified Professional (OSCP) - In Progress

## **TOOLS AND TECHNICAL KNOWLEDGE**

Java, Python, C, Bash, Cobol, IBM Assembly, MySQL, Maven, Git, Eclipse, IntelliJ, Netlify, AWS, Wireshark, Kali Linux, Metasploit, Burp Suite, OWASP ZAP, Nmap, Maltego, Analyst Notebook, SPSS, ArcGIS, Excel, Visio, Tableau, AWS, Elliptic Blockchain Analytics, Lexis Diligence, Visual Studio, Git, GitHub, Rational Team Concert