

# JAMES PAVUR

## EDUCATION

**Oxford University**, Cybersecurity Center for Doctoral Training,  
Rhodes Scholar (Georgia and Wolfson, 2017) & DPhil Student

**Oxford, United Kingdom**  
*Expected Matriculation: October 2017*

**Georgetown University**, Walsh School of Foreign Service,  
Bachelor of Science in Foreign Service, Science, Technology, and International Affairs  
Valedictorian | GPA: 3.971 | Concentration: Science, Technology, and Security

**Washington, DC**  
*Graduated: December 2016*

## WORK EXPERIENCE

### **Telos Corporation**

*Information Assurance Intern*

- Audited dozens of industrial and building control systems devices against NIST 800-53 standards for GSA's Public Buildings Service - one of the largest property management organizations in the world
- Created software application to reduce post-assessment and pen-test documentation times from 5+ hours to 10 minutes
- Authored Ansible roles for the management and configuration of Amazon Web Services deployments for GSA SECOPS

**Washington, DC**

*May 2017 – Present*

### **Students of Georgetown, Incorporated**

*Director of Information Security*

- Directed incident response to a destructive cyberattack and spearheaded subsequent forensic investigation
- Orchestrated extensive security audit of corporate infrastructure resolving hundreds of legacy vulnerabilities

*General Manager of IT*

**Washington, DC**  
*April 2016 – January 2017*

- Led a team of 17 professionals providing software development, Linux and Windows administration, and IT support to over 400 employees at the world's largest student-run nonprofit

*Senior Developer*

*February 2014 – February 2015*

- Collaborated on team projects including a cross-platform mobile application and corporate intranet web services

### **Booz Allen Hamilton - Defense and Intelligence Group**

*Summer Intern*

- Discovered 9 previously unknown vulnerabilities in a popular Smart Lock and Smart Home "Internet of Things" system
- Reverse-engineered embedded hardware and Android applications for vulnerability analysis and security research

**Annapolis Junction, MD**

*June 2016 – August 2016*

### **Security and Software Engineering Research Center at Georgetown University**

*Researcher*

- Co-authored comment filings before the Federal Communications Commission regarding privacy rulemaking
- Developed proof of concept privacy-oriented filesystem-level sandbox application for \*nix systems

**Washington, DC**

*May 2016 – January 2017*

### **United States Postal Service, Office of the Inspector General - Computer Crimes Unit**

*Student Cooperative*

- Performed forensic acquisitions and investigations of evidentiary media relevant to ongoing criminal investigations
- Devised Intrusion Detection Signatures based on analysis of sophisticated malware involved in a large-scale intrusion

**Alexandria, VA**

*May 2015 – September 2015*

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## ACTIVITIES AND AWARDS

- **Eagle Scout** (2013)
- **Phi Beta Kappa** junior inductee (2016)
- **Hackathon Competitor** including 1<sup>st</sup> place at HoyaHaxa with a brain-computer interface for paralysis victims (Spring 2016)
- **Georgetown WeCode Mentor** providing mentorship to women interested in programming (Fall 2015- Fall 2017)
- **Policy Debate Competitor** twice qualified to national Tournament of Champions (2007-2014)
- **Georgetown Makerspace** founding member creating a new hardware innovation space on campus (Fall 2015- Fall 2017)
- **Capture the Flag Competitor** including 4<sup>th</sup> place at Passcode CTF hacking competition (Fall 2016)

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## TECHNICAL SKILLS

- **Proficient in:** Python, PHP, HTML, Javascript, CSS, JQuery, Java, SQL, and C/C++
- **Experienced with:** Wireshark, Volatility Framework, Forensic Toolkit, IDA Pro, Metasploit, Nexpose, Linux Systems Administration, Atlassian collaboration tools (JIRA, Confluence, Stash), and Agile Development