

## **AWS Security Enterprise Protection, Intern positions**

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How to apply: Interested students should apply online directly using the Amazon Careers portal, <https://www.amazon.jobs/en>

Amazon internships are full-time (40 hours/week) for 12 consecutive weeks with start dates between May and September 2020. Applicants should have at a minimum one quarter/semester remaining after their internship concludes.

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Do you want to solve business challenges through innovative technology? Do you enjoy working on cutting-edge, massively scalable services technology in a fast-paced team environment? Do you love working on industry defining projects that move the needle?

We are looking for future Amazon interns to join us for summer 2020. Amazon interns have the opportunity to work alongside the industry's brightest engineers who innovate everyday on behalf of our customers. Our interns work with a select group of experienced engineers, who help and challenge them as they work on projects that matter to our customers.

As an intern, you will be matched to a manager and a mentor. You will be given the opportunity to have direct impact on AWS and mission critical projects early in your career. Your design, code, and raw smarts will contribute to solving some of the most complex technical challenges in the areas of distributed systems, data mining, automation, optimization, scalability, and security - just to name a few.

In addition to an impactful project, you will have the opportunity to engage with Amazonians in both personal and professional development, expand your network, and take part in fun activities throughout the summer. We give you the tools to own your summer and learn in a real world setting. Many of our technologies overlap—you would be hard pressed to find a team that is not using Amazon Web Services (AWS), touching the catalogue, or iterating services to better personalize for customers.

If this excites you, come build the future with us.

**Security Engineer, Intern**  
**2 positions, graduate student**  
**Location: Herndon, VA office**  
**Job ID #1012687, #1012717**  
**Duration: 12 weeks**  
**US citizenship required**

### **SECURITY ENGINEER, Intern (grad student)**

Amazon Web Services (AWS) is looking for Security Engineers to join our world class team, Enterprise Protection. We are obsessed with protecting customer trust. We are a hands-on team working to protect our computer networks, servers and applications. You will get the opportunity to work on the biggest and the fastest e-commerce platform in existence. You will work in the trenches with other Security Engineers, Application Developers and System Administrator to protect our customers.

#### Responsibilities

- Preserve Amazon customer trust
- Engineer security solutions to protect systems, networks and applications
- Security design and testing of the most critical Amazon applications
- Respond to security violations, vulnerabilities, and event detection systems
- Provide security policy guidance and consultation
- Evangelize security within Amazon and be an advocate for customer trust

#### Basic Qualifications

- BS in Computer Science, Information Security, Digital Forensics, Cybersecurity
- Currently enrolled in Masters level degree program
- Knowledge of network, system, and web application attacks and mitigation
- Knowledge of application security, cryptography, network and web protocols
- 1+ years experience in one or more programming languages such as: Python, Go, Java, Shell, Perl, C/C++, Ruby

#### Preferred qualifications

- 1+ years experience in digital forensic investigations
- 1+ years experience with digital forensics and incident response tools, such as: EnCase, Autopsy (The Sleuth Kit), Plaso, Volatility, Rekall, log analysis systems (Splunk, ELK, AlienVault)
- 2+ years experience in automating tasks via scripting
- Experience in application security architecture, security code reviews, security testing, incident response, or security infrastructure
- Experience with triage security alerts, front-line analysis, and escalation
- Experience with Amazon Web Services

#### **BUSINESS ANALYST, INTERN**

##### **AWS Security Enterprise Protection**

**2 positions, undergrad**

**Location: Herndon, VA office**

**Job ID #1012687, #1012717**

**Duration: 12 weeks**

**US citizenship required**

As a Business Analyst, Enterprise Protection you will focus on improving the success within a business function by analyzing data, discovering and solving real world problems, and building metrics and business cases to improve customer experience. A key component of the role is to identify process and system improvement opportunities by monitoring existing metrics, analyzing data, and partnering with internal teams. In addition, you will design and develop automated reporting solutions to enable stakeholders to manage the business and make effective decisions. Lastly, you will enable effective decision making by retrieving and aggregating data from multiple sources and compiling it into a digestible and actionable format.

#### Basic qualifications

- Currently pursuing a bachelor's degree
- Able to work 40 hours a week throughout the course of the 12-week internship

#### Preferred qualifications

- Understanding of intelligence analysis
- Ability to recognize patterns from case facts
- Basic to advanced knowledge of Tableau/Power Query
- Intermediate (e.g. Vlookup) to advanced Excel skills (e.g. write/edit VBA)
- Basic to advanced knowledge of SQL (all join types, group by, order by, calculated columns).
- Majoring in Business, Computer, Data Engineering, Economics, Finance, Engineering, Mathematics, Machine Learning, Science, Statistics, and Symbolic Systems