

RESOURCES FOR STEM INTERNSHIPS

General – Across STEM Disciplines

- LinkedIn: www.linkedin.com You should create your LinkedIn profile so that you come up in employers' searches and you can also view job/internship listings
- HCC Job Connection – post your resume for local companies to view and search job postings and employer directory www.howardcc.edu/hccjobstudent
- *Baltimore Business Journal Book of Lists* to identify companies (in Counseling & Career Services, RCF 302)
- Pathways to Science: <http://www.pathwaystoscience.org/programs.aspx>
- After College Jobs: <http://bit.ly/aftercollegejobs>. Search for jobs or internships by your major. Requires registration (free). Click on "Search" in the top bar after registering
- Internships.com: <http://www.internships.com/student/resources>. Choose "Intern Jobs Search" under "Your Next Internship" in the lower left bottom of the page and search by major and location. Also check out the other resources links.
- Indeed.com: www.indeed.com. General job and internship database. Search by keyword and location
- InternJobs.com: <http://www.internjobs.com/>
- Quintessential: <http://bit.ly/quintinternresources>. Links to multiple sites for internships
- James Madison University: <http://bit.ly/jamesmadisoninternshipslist>. Multiple links for JMU majors, including STEM
- State University of New York at Albany: <http://bit.ly/sunyalbanyinternshipslist>
- The Muse: <https://www.themuse.com/>
- Glassdoor: <https://www.glassdoor.com/index.htm>

Science & Research

- American Chemical Society: <http://bit.ly/acsinternships>. Links to undergraduate chemistry internship opportunities
- AAAS (American Association for the Advancement of Science) Minority Science Writers Internship: <https://www.aaas.org/page/aaas-minority-science-writers-internship>. Preference will be given to those students pursuing a degree in journalism

Engineering

- The National Society of Professional Engineers: <http://bit.ly/nspejobsboard>
- Engineerjobs.com: <http://www.engineerjobs.com/>

Math

- American Mathematical Society: <http://www.ams.org/programs/students/undergrad/undergrad>
Offers information on semester & summer research programs, internships, clubs & conferences.
- Society for Industrial and Applied *Mathematics*. <http://www.siam.org/careers/internships.php>

Computer Science & Technology

- Dice: www.dice.com
- IT Jobs <https://www.itjobs.com/search.shtml>

Counseling and Career Services at HCC

- RCF 302, 443-518-1340, ccs@howardcc.edu
- Career counselors are available for the following:
 - Resume critiques
 - Cover letter assistance
 - Job search assistance
 - LinkedIn review
 - Mock interviews
- Meet with Amy Crawford, Internship & Co-op Manager, to discuss your internship search, 443-518-4009, acrawford@howardcc.edu

Government

- Maryland State Agencies: <http://bit.ly/marylandinternships>. Features government related internship programs within the state of Maryland.
- Federal Internships: www.usajobs.gov.
- STEMUndergrads.science.gov: <http://stemundergrads.science.gov/>. Federal opportunities for STEM undergraduate students
- Be sure to check Indeed.com and Google for government agency listings
- **FBI:** www.FBIJobs.gov/students

- **National Security Agency (NSA): Summer Intern Program for Information Assurance (SIPIA)**



Fort Meade, MD

[Apply on LinkedIn](#)

[Apply on Glassdoor](#) [Apply on College Internships](#) [Apply on IT Jobs](#)

The Summer Intern Program for Information Assurance (SIPIA) is a 12-week summer program accelerating participant's careers in the field of Information Assurance (IA) by offering hands on technical experience while working for the National Security Agency. SIPIA hosts rising juniors and seniors pursuing Bachelor's degrees as well as students pursuing Masters and Doctorate degrees in the technical fields listed below. Interns will be involved in projects that enable the cyber mission force through current analysis, expertise, training and tools. Interns will be involved in IA projects, including protecting and defending the nation's information systems networks and outmaneuvering cyber adversaries. To participate in this program, students must return to school for at least one semester following the internship. Application Deadline Applications are accepted between September 1 and October 31 each year, but please refer to the individual job listing for specific dates...

- **NASA Goddard:** <https://www.nasa.gov/centers/goddard/education/internships.html>
- **Centers of Academic Excellence in Cyber Operations (CAE-Cyber Ops) , NSA**



National Security Agency

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The Centers of Academic Excellence in Cyber Operations (CAE-Cyber Ops) Summer Program is the National Security Agency's (NSA) premier outreach program for students enrolled in the Cyber Operations specialization at NSA-designated universities. Selectees will be invited to participate in a 12-week summer program to gain knowledge of specific cyber-related topics and apply educational knowledge to address various real world mission-related technical challenges. Participants in the program will work on a broad range of problems involving applications of computer science and engineering. The goals of the CAE in Cyber Operations Summer Program are to:

- Introduce our country's future leaders in cyber-related fields to the Agency's mission and share the excitement of working on problems of national importance.
- Provide a deep understanding of the vital role that computer science and engineering play in enabling the Agency to tackle a diverse set of technical...

- **US Department of Energy, Office of Science.**
 - Term Science Undergraduate Laboratory Interns (SULI) Program <http://.science.energy.gov/wdts/ccli>.
 - Term Science Community College Internships (CCI). <http://science.energy.gov/wdts/ccli/>

- Department of Defense: <https://dodstem.us/stem-programs/internships>
- **THE NATIONAL INSTITUTES OF HEALTH (NIH)**
NIH Summer Internship Program: <https://www.training.nih.gov/programs>.
<https://www.training.nih.gov/programs/sip>: Discusses the application in more detail and how to increase your chances of being offered a position.
NIH Community College Summer Enrichment Program: https://www.training.nih.gov/ccsep_home_page
NIH Community College Day: www.training.nih.gov/communitycollegeday
provides community college students and faculty an opportunity to visit the NIH campus and to learn about careers and training opportunities in biomedical and health care fields.”
NIH National Cancer Institute, Center for Cancer Research: <https://ccr.cancer.gov/training/summer-internships>
Other Summer Programs at the NIH: https://www.training.nih.gov/other_summer_programs_at_the_nih

Cyber Security

Cyber Security Analyst Intern



Leidos Careers, Columbia, MD, Apply on www.leidos.com

Description: Do you want to make a difference and do work that makes an impact in your summer internship? Do you want to have a hand in keeping our country and its people safe? If so, then, you are just what Leidos is looking for! We are seeking energized, motivated, and curious students to participate in the Leidos Internship Program in Columbia, MD during the summer of 2019. A successful intern candidate will support a dynamic team to identify and assess the capabilities and activities of cybersecurity adversaries or foreign intelligence entities. Interns will develop cyber indicators to maintain awareness of the status of the highly dynamic operating environment. Interns will collect, process, analyze, and disseminate cyber threat/warning assessments. Qualifications Basic Qualifications · Current college student working towards a bachelor's degree in Cyber Security, Computer Science, Electrical/Computer Engineering, or Mathematics. · Understanding of UNIX/LINUX operating...

Cyber Intern



Lockheed Martin, Linthicum Heights, MD, [Apply on The Muse](#)

Description: At Lockheed Martin Rotary and Mission Systems, we are driven by innovation and integrity. We believe that by applying the highest standards of business ethics and visionary thinking, everything is within our reach - and yours as a Lockheed Martin employee. Lockheed Martin values your skills, training and education. Come and experience your future! As a cybersecurity professional at Lockheed Martin, you'll protect the networks that our citizens and the world depend upon each minute: Financial assets. Healthcare information. Critical infrastructure. Hazardous materials. The uninterrupted flow of energy that keeps modern life moving. Here, you'll work with cybersecurity experts on the forefront of threat protection and proactive prevention. In this fast-paced, real-world environment, you'll draw on all of your education and experience as well as the resources of Lockheed Martin to keep the threats at bay. So go into the cyber terrain that most people know only from...

Cyber Security Intern



BAE Systems, Annapolis, MD, [Apply on LinkedIn](#)

****Job Description**** • Intern will perform Chief Technology Officer (CTO) Office duties to include attending Innovation Expos and Technology Training • Perform Software Engineering such as writing applications and deploying on servers • Perform cyber security engineering on Automation of cloud services, Redhat Ansible, and mission planning • The I&S LEAP Intern Program offers current college students hands-on experience and development opportunities in technology, engineering, intelligence, and business. • In addition to on-the-job training, the I&S LEAP Internship Program offers: + • Competitive Pay:** Earn a competitive hourly wage, working full-time (Monday-Friday, 40

hours/week) through the run of the program (typically mid-May through August). + • Opportunity for Future Employment:** Many of our I&S interns return as interns and/or are hired on full-time after completing their degree.

Engineering Intern (Cyber Security)



Intertek, Rockville, MD, [Apply on LinkedIn](#), [Apply on Intertek](#) [Apply on Lensa.com](#)

Acumen Security (an Intertek company) is looking for Engineering Interns to join our Connected World team in Rockville, MD. The Connected World team focuses on cyber security, software testing, and assurance services for network-enabled devices, such as computers, tablets, mobile devices, apps, software and wireless and connected products. The team provides services to help bring cutting-edge technology to market quickly with assurance of safety/security, quality, and performance. As an Engineering Intern, you will get hands-on experience with the latest security testing protocols and solutions. Responsibilities Test security of network systems for products being sold and delivered for government use Analyze results/test output to assess products against PASS/FAIL criteria Follow written instructions(steps in test plans) provided by senior staff and document output Requirements Experience using and configuring Unix or Linux operating systems, such as Red Hat, Ubuntu or FreeBSD Experience configuring and installing networking devices such as routers and switches (Cisco preferred, other vendors a plus) Understanding of common network security protocols such as HTTPS, TLS, SSH, IPsec

Computer Science Engineer Intern



Parsons Corporation, Columbia, MD

[Apply on Glassdoor](#), [Apply on Parsons.jobs](#) [Apply on LinkedIn](#) [Apply on Mitula Jobs](#)

Opportunity: Do you want to support mission-critical cybersecurity programs? Join Parsons Cyber for an exciting 12-week paid internship that offers career growth and personal development. This internship will give you the opportunity to work on complex security problems in an ethical, challenging, diverse, rewarding, and fun environment. You will get to work with people that support mission-critical cybersecurity programs by implementing defensive and offensive network intelligence solutions and closed network security engineering. The ideal candidate: If selected, you will be working alongside other motivated interns and a group we call The Farm, which is a Parsons Innovation initiative. During your internship, you will help to develop and modify existing software designed to defend IT infrastructure and protect SCADA systems while ensuring solutions are robust, scalable, documented, and testable. We look forward to working with you!

Recent STEM employers at Internship and Job Fairs at HCC:

- CCL USA Engineering: <https://www.cclint.com/>
- Daly Computers: www.daly.com
- DP Solutions: <https://www.dpsolutions.com/>
- Geo-Technology Associates: <https://www.gtaeng.com/>
- IntelliGenesis: www.intelligenesisluc.com
- IT-CNP: www.it-cnp.com
- Johns Hopkins University Applied Physics Lab www.jhuapl.edu
- PC Test: www.pctest.com
- Specialized Engineering: www.specializedengineering.com