

**STUDENTS MUST CONTACT COMPANY LISTED FOR AN INTERVIEW**



## 2017 Intern Positions Offered

CHARLESTON DEFENSE CONTRACTORS ASSOCIATION



## 1. ATLAS TECHNOLOGIES, INC.

**Internship Position Title:** Software Developer/Programmer Intern

**Internship Period:** May-August 2017 (Flexible dates/hours)

**Point of Contact:** Nathan Smith

**Email:** [nsmith@atlas-tech.com](mailto:nsmith@atlas-tech.com)

**Phone:** 843-725-2291

***Detailed description of position:** Great opportunity with flexible dates and hours for students who are motivated, want exposure to a broad range of technologies and are eager to learn new technologies and programming languages. Specific tasking will include, assisting current staff in building solutions to automate business processes, application development and the customization of software. Additional responsibilities may include other development related tasks, assisting our staff with the maintenance of enterprise system and Tier 1 support.*

***List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** Year: Sophomore and above preferred Major/Field of Study: Bachelor's degree in Computer Science, Software Engineering, or related technical field. Desired Experience: Some software development/coding in at least one modern programming language such as C, C++, C#, or Java. Knowledge of the following is beneficial: SQL, JavaScript/JQuery, PHP, and Perl.*

## 2. CENTURUM, INC.

**Internship Position Title:** Software Engineer Internship

**Internship Period:** Summer of 2017

**Point of Contact:** Jay Jeffries

**Email:** [jay.jeffries@centurum.com](mailto:jay.jeffries@centurum.com)

**Phone:** 843-266-7552

***Detailed description of position:** Across multiple projects we have the need for research and development of software solutions. We are anticipating the use of Java to manipulate database tables. We also have the need to research options for infrastructure migration from a physical machine to either a data center or a cloud environment. We have inherited some powershell scripts to automate the buildup of virtual machines to automate the work performed by software integrators and need assistance testing the completeness of the scripts.*

***List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** Seeing a student in their Junior Year studying Computer Engineering or Computer Science with some 3GL software development classes (C/C++/Java).*

## 3. GEOCENT

**Internship Position Title:** Software Developer Intern

**Internship Period:** 6 weeks

**Point of Contact:** Andrea Shirey

**Email:** [andrea.shirey@geocent.com](mailto:andrea.shirey@geocent.com)

**Phone:** 843-308-4633

***Detailed description of position:** We have a web-based interview management application that streamlines interview preparation, execution, and evaluation. We will need the Developer to complete*

the web-based Interview Question Management System (IQMS). The Developer will be required to enhance the UI, client and server side functionality.

**List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** At a minimum, the candidate should be familiar with HTML, CSS, and JavaScript. The ideal candidate would be pursuing a degree in Computer Science or a related field, has experience writing full stack web applications, and is familiar with ExpressJS, Bootstrap, PostgreSQL, JSON, ExpressJS, and Firebase.

## 4. GEODESICX

**Internship Position Title:** Operations Assistant  
**Internship Period:** 30 May 2016 – for 10 weeks  
**Point of Contact:** Craig Herring  
**Email:** [craig.herring@geodesicx.com](mailto:craig.herring@geodesicx.com)  
**Phone:** 843-277-1107 x 410

**Detailed description of position:** • Work directly with the Geodesicx Program Manager, project managers and support staff, supporting multiple Prime Contractor and Subcontractor projects.

- Introduction into the planning, scheduling, managing and monitoring projects through their life cycle.,
- Understand the importance and maintenance of formalized project management documentation (e.g., project plans, financial tracking).,
- Streamline systems for data collection and reporting, compile statistics and data for projects and turn data into actionable intelligence for Program and Project Managers.,
- Manage delivery schedule and milestones for CDRL delivery across the Division Operation.,
- Analyze business and technical processes to formulate and develop new and modified business information processing systems (e.g., business system workflows and dashboards),
- Work with team members to provide technical guidance related to business implications of the implementation of various systems to the Operation.,
- Support Program and Project Managers and respective teams to implement organizational processes and best practices.,
- Maintain Division process asset library for process definitions, templates and document samples.,
- Support business development activities.

**List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** • Prefer Freshman or sophomore, • Basic understanding of database administration and creation desired. • Computer Information Systems, or Business focus, • Microsoft office, • US Citizen.

## 5. KBRwyle TECHNOLOGY SOLUTIONS

**Internship Position Title:** Cybersecurity Intern  
**Internship Period:** 1 June-28 July 2017  
**Point of Contact:** Brock Rabon  
**Email:** [brock.rabon@honeywell.com](mailto:brock.rabon@honeywell.com)  
**Phone:** 843-637-1482

**Detailed description of position:** KBRwyle Technology Solutions would like to host a Cybersecurity intern to perform as an Ethical Hacker by conducting penetration testing in our Cybersecurity Lab, located on our premises at 5935 Rivers Ave, Suite 100, North Charleston, SC 29406. The intern's primary goal is to focus on using current cybersecurity tools and techniques to discover

vulnerabilities on our corporate network that could be exploited by a nefarious actor and to inform KBRwyle of those vulnerabilities along with recommended fixes/mitigations. This will be done in a Penetration Test Report that will assess potential impacts to the organization and suggest countermeasures to reduce risk. The intern will also be assigned the task of fixing the vulnerabilities as time allows. The students will work under the guidance and supervision of a KBRwyle lead analyst/engineer who will be able to provide the DC Association with a full report of their performance. Our goal is to provide an outreach into the college community and give a talented computer science student hands on experience in a corporate environment. With threats to global cybersecurity never out of the news, we especially hope to increase local academic awareness of growing career opportunities in the Information Security field for those with skills required to perform successfully as an Ethical Hacker.

**List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** The student should be a rising senior or a senior completing a BS degree in Computer Science or Engineering. It is strongly desired that the intern have experience programming in Python and also another language such as JavaScript and C/C++. The student should demonstrate an interest in cybersecurity through having completed coursework and/or extracurricular activities. Dean, or department head, Experience with CATIA, SolidWorks, SolidEdge or NX (Unigraphics) is a plus.

## 6. KTM SOLUTIONS, INC.

**Internship Position Title:** Engineering Intern - Mechanical Design

**Internship Period:** May-August 2017

**Point of Contact:** Paul V. Kumler P.E.

**Email:** [careers@ktmlsolutions.com](mailto:careers@ktmlsolutions.com)

**Phone:** 864-297-6600

**Detailed description of position:** Utilize CATIAv5/SolidWorks/SolidEdge/NX (Unigraphics) to perform basic mechanical design functions associated with the Aircraft/Automotive/Machine Automation Industry. Create geometric layouts and graphical representations suitable for manufacturing. Perform basic structural analysis calculations. Complete tolerance stack assessments of completed and in-process designs.

**List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** Completed first year toward a degree in Mechanical Engineering, Mechanical Engineering Technology, or Aeronautical Engineering, Must be enrolled in a degree program, Must have completed a course in mechanical drafting, Letter of recommendation from college advisor, dean, or department head, Experience with CATIA, SolidWorks, SolidEdge or NX (Unigraphics) is a plus.

## 7. LIFE CYCLE ENGINEERING, INC.

**Internship Position Title:** Cybersecurity/System Administrator - Intern

**Internship Period:** June – August 2017

**Point of Contact:** Michael A. Hoyt

**Email:** [mhoyt@LCE.com](mailto:mhoyt@LCE.com)

**Phone:** 843-697-8568

**Detailed description of position:** The two key areas of focus for the Cybersecurity/Systems Administrator intern include Technology and Process Improvement. The intern will assist the Lab Manager with daily tasks and be part of a team to help improve current business processes. This internship provides a learning environment rich with resources and experience. From the technology side, LCE's Internship Program provides qualified applicants the potential to learn about the following technologies: Virtualization (VMWare ESX6i Server), Operating Systems (Linux, Windows 2003/2008), Database Technologies (MS SQL 2005/2008, MySQL), Web development/management (internet Information Server, Apache), Information Security (Industry Standards, DoD Standards, Security+), Networking (Cisco, Endian).

**List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** Candidates should have a basic understanding of computers and operating systems. They should be enrolled in a College or University pursuing a technical degree.

## 8. MERCOM CORPORATION

**Internship Position Title:** Management Information Systems (MIS) Intern

**Internship Period:** May-August 2017

**Point of Contact:** Courtney Newman

**Email:** [courtney.newman@mercomcorp.com](mailto:courtney.newman@mercomcorp.com)

**Phone:** 843-979-9957

**Detailed description of position:** Candidate will have the opportunity to work alongside Mercom's IT team with exposure to networking, business applications, database, and procurement. The candidate will have the opportunity to diagnose, troubleshoot, and resolve hardware, software, or other system problems. Assist with projects that follow a typical systems development life cycle including testing and implementation. Daily tasks might include user and equipment setup in an Active Directory environment.

**List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):** Pursuing a degree in Computer Science, Information Systems, or related field. Must live near Pawleys Island, SC area or be willing to commute. Seeking a candidate with a terrific attitude who can work well with a team as well as independently. Position requires strong customer service skills and the ability to communicate with end users and manage priorities. Candidate must have completed two years of coursework (entering Junior or Senior year of undergraduate studies).

## 9. MILLERWILSON CONSULTING

**Internship Position Title:** Collaborative Lifecycle Management Intern

**Internship Period:** 2 June-28 July 2017

**Point of Contact:** Wayne Collins

**Email:** [wayne.collins@millerwilson.com](mailto:wayne.collins@millerwilson.com)

**Phone:** 843-414-7555

**Detailed description of position:** Become familiar with and use Collaborative Lifecycle Management tools across all supported projects. Observe and assist with requirements, engineering, design, and testing efforts of command and control hardware and software. Will be exposed to all facets of the business supporting DoD efforts with an emphasis on solving real business problems. Involvement with Charleston metro defense industry events during the internship period. Option to gain technical certifications.

*List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): All applicants welcome. Technical major preferred. Experience is valued; however, it is more valuable that the applicant is inquisitive and intellectually curious. An analytical emphasis is a good fit. Minimum junior.*

## 10. SCIENTIFIC RESEARCH CORPORATION

**Internship Position Title:** Cyber Engineering Intern  
**Internship Period:** May 16, 2017 through August 12, 2017 (approximate)  
**Point of Contact:** Mark Pelletier  
**Email:** [jschwacke@scires.com](mailto:jschwacke@scires.com)  
**Phone:** 843-308-2519

*Detailed description of position:* Under direct supervision, the intern will apply standard engineering and/or computer science techniques, principles, theories, and concepts at a level familiar to first or second year college students. The intern will assist in the research, analysis, compilation, design, development and/or test of computing, communications, cyber security, or intelligence systems in support of customer requirements in one or more engineering disciplines.

*List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):* This job requires the candidate to be actively pursuing a Bachelor's degree in a relevant technical discipline, preferably electrical engineering, information systems, cyber security, or computer science. Some software engineering/programming experience is desired. The job's occupational field requires the application of complex, technical professional disciplines and the application of related concepts, practices, and methods. The intern is expected to participate as part of a team and should exhibit proficiency in verbal and written communication..

## 11. UEC ELECTRONICS

**Internship Position Title:** Systems Engineer Intern  
**Internship Period:** May through August 2017  
**Point of Contact:** Nancy Straight  
**Email:** [NancyStraight@UEC-Electronics.com](mailto:NancyStraight@UEC-Electronics.com)  
**Phone:** 843-266-6648

*Detailed description of position:* The intern will work within a group of several disciplines of seasoned engineers (electrical, mechanical, software, controls, and human factors) primarily supporting the program's systems engineer. Responsibilities will include documenting requirements traceability for product design, research of available technologies to include gaps in technologies available commercially, and technical writing.

*List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.):* Rising Junior in any Engineering Discipline is acceptable. Prefer Electrical Engineering, Mechanical Engineering or General Engineering. Attention to detail, systematic approach to problem solving and ability to work on a dynamic team is a must.