STUDENTS MUST CONTACT COMPANY LISTED FOR AN INTERVIEW

2019 Intern Positions Offered

CHARLESTON DEFENSE CONTRACTORS ASSOCIATION

1. ATLAS TECHNOLOGIES, INC.

Internship Position Title: Information Technology Intern
Internship Period: Summer 2019 (Flexible dates and hours)
Point of Contact: Nathan Smith
Email: nsmith@atlas-tech.com
Phone: 843-725-2291

Detailed description of position: This is a 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. Specific tasking will include, assisting current staff in expanding our core network by installing and configuring layer 1 – 3 devices, which include cabling, switches, routers and wireless devices. Additional responsibilities may include assisting with the configuration of IP phone systems, firewalls 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 Information Systems / Sciences with a focus on network infrastructure technologies or related technical fields; **Desired Experience:** Some experience or understanding of TCP/IP, ethernet, switching, routing, wireless or modern infrastructure devices; **Knowledge of the following is beneficial:** Cisco Switches, Routers, Wireless Devices or Firewalls.

2. FATHOM 4, LLC.

Internship Position Title: Electronics Technician I
Internship Period: June-Aug 2019 (exact dates TBD, based on intern's availability)
Point of Contact: Jane Taylor
Email: jane@fathom4.com
Phone: 843-343-1589

Detailed description of position: Fathom 4 is a Service-Disabled Veteran Owned Small Business headquartered in Charleston, SC. Our primary client is the Naval Information Warfare Command (NIWC), formerly known as SPAWAR. Our primary area of expertise is the prototyping, systems engineering, integration, testing, and documentation of Command, Control, Computer, Communications, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems for Department of Defense tactical combat vehicles. This position will be on-site at NIWC, assisting with all aspects of the C4ISR integration.

List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): Intern must be a student in good standing at an ABET accredited university, with a major in a STEM subject related to our work. The intern will complete basic electronics training at our facility prior to working on-site at NIWC. The intern must also be a US citizen, and will be required to pass a background check for Position of Trust access to the government site.

3.   KTM SOLUTIONS, INC.

Internship Position Title: Engineering Intern - Mechanical Design
Internship Period: May-August 2019
Point of Contact: Paul V. Kumler P.E.
Email: careers@ktmsolutions.com
Phone: 864-479-9099

Detailed description of position: Utilize CATIAv5/SolidWorks/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 an engineering related 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.

4.   LIFE CYCLE ENGINEERING, INC.

Internship Position Title: Cybersecurity/System Administrator - Intern
Internship Period: June – August 2019
Point of Contact: Philip Hoyt
Email: phoyt@lce.com
Phone: 843-744-7110 x 7258

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.

5.   MANTECH

Internship Position Title: Engineering Intern
Internship Period: May 2019-August 2019
Point of Contact: Michael T Kutch Jr
Email: michael.kutch@mantech.com
Phone: 843-261-7911 (o) or 843-224-9432 (c)

Detailed description of position: You'll gain exposure to developing solutions for business opportunities, gaining familiarity with Naval Information Warfare Center (NIWC) Atlantic (formerly SPAWAR), hands-on software development, and hardware integration. Basic review of engineering/network drawing packages to include cable layouts, rack elevations and port to port assignments, etc. Perform research, author white papers, and collaborate with team members to address current and future customer needs and requirements. Willingness to learn new skills and eagerness to investigate new problems both independently and as part of a team. Strong analytical skills with the ability to independently solve problems and deconstruct complex issues. Solid organizational skills, especially the ability to meet project deadlines with a focus on details

List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): Enrollment in a Bachelor's degree program, required. Major in engineering, computer science or physics, with an interest in software development, systems engineering, or network engineering. Technical understanding and experience working with electronic components and software. Desired Skills: SharePoint development experience Technical writing and research, Basic knowledge of networks (WAN/LAN) with experience in routing, switching and firewalls Basic understanding/knowledge of LabView and/or similar network simulation systems/software. Experience with different operating systems (Microsoft Windows, Linux, etc). Knowledge of different programs such as Eclipse (Java), HTML-Kit (CSS/HTML), Vim(CSS, HTML), Adobe Flash, and AutoDesk Maya.

6.   MERCOM, INC.

Internship Position Title: IT/Cybersecurity
Internship Period: 01 June to 15 Aug 2019
Point of Contact: Jimmy Coggin or Kim Sanborn
Email: jimmy.coggin@mercomcorp.com, mailto:kim.sandborn@mercomcorp.com
Phone: 843-979-9957

Detailed description of position: Intern will assist with NIST Cybersecurity requirements as well as internal IT/Network requirements. Possiblity for several certifications if time allows.

List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): Junior or 3rd year. Computer Science major with Cybersecurity classes and software coding ability

7.   NETIZEN CORPORATION

Internship Position Title: Web Application Developer
Internship Period: 10 weeks, Summer 2019
Point of Contact: Jonathan Berns
Email: jberns@netizencorp.com
Phone: 843-725-8297

Detailed description of position: First, you will be developer and will be helping to build cyber security applications. Core responsibilities includes designing, coding, and modifying websites and desktop applications using Python and Flask. Strive to create visually appealing sites that feature user-friendly design and clear navigation.

List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): Preferred junior or higher, but negotiable with experience. Must be familiar with JavaScript, CSS, and Web Frameworks. A plus is basic understanding of Python and Flask.

8.   SAIC

Internship Position Title: Engineering Intern
Internship Period: Summer Internship, negotiable employment period, anticipated during Jun-Aug 2019
Point of Contact: Richard F. Nelson
Email: richard.f.nelson@saic.com
Phone: 843-746-6149

Detailed description of position: SAIC will have up to six (6) Engineering Intern opportunities in a variety of engineering and cyber related research and development investments for the company. Engineering interns will work as part of a group working internal R&D projects to include Cyber tools software development as well as mission analysis related to Cyber-attack. Candidates must be able to apply engineering principles, work as part of a team and deliver independent contributions to the project. SAIC has some long-term R&D efforts and are looking to develop talent through internships as well as enhance capability and offerings to our customers.

List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): Principles of engineering concepts must be understood (high school POE class or similar taken or proven self-study). Basic coding and/or scripting skills required, experience with or interest in Cyber security is preferred. Positions are open to candidates 18 years old or older for candidates seeking engineering (electrical, computer, software), or similar scientific degree. Candidate interviews are required.

9.   SCIENTIFIC RESEARCH CORPORATION

Internship Position Title: Engineering Intern
Internship Period: May 13, 2019 through August 16, 201 (approximate)
Point of Contact: John Schwacke
Email: jschwacke@scires.com
Phone: 843-308-2510

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.

10.   UEC ELECTRONICS

Internship Position Title: Systems Engineer Intern
Internship Period: May 2019 - August 2019
Point of Contact: Nancy Straight
Email: 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.): US Citizenship. Rising Junior in any Engineering Discipline. Skills needed: Attention to detail, systematic approach to problem solving and ability to work well on a dynamic team.

11.   SYSTEMS TECHNOLOGY FORUM, LTD.

Internship Position Title: Entry Level Engineer Intern
Internship Period: Starting June 3, 2019 and ending on August 3, 2019
Point of Contact: Tom Brown
Email: thomas.brown@stfltd.com
Phone: 843-737-3284

Detailed description of position: Entry Level Engineer, Summer Intern position. STF is hiring an entry-level Engineer who will be working under an experienced engineer supporting various programs supporting, Naval Information Warfare Center (NIWC) Atlantic. Position will be responsible for specific tasks as assigned by supervisor.

The best summer internship for a student is one that builds on intermediate skills above the basic skills that college provides. This internship is an opportunity for an engineering student to work with a degreed Electrical Engineer and a certified mechanical AutoCAD Drafter. Their task is to prepare engineering diagrams and work packages for the installation and testing of electronic equipment aboard ships.

The intermediate skills will center around gaining experience in basic 2D and 3D space layouts. The software is AutoCAD for 2D and Inventor for 3D. The intern will learn the basic review of engineering/network drawing packages that include cable layouts, rack elevations, associated hardware, pin connections in the engineering installation and testing processes. These skills are in immediate demand in our defense industry and in the commercial sector.

An attempt will be made to provide the intern with at least one field experience of conducting a site survey and mapping the site using the latest 3D laser projector followed by an introduction to the rendering process to take the virtual digital 3D image convert it to 3D and conduct a second conversion to 2D with a final engineering print out process.

The intern will be responsible for completing work requirements to STF quality and standards and using proper methods of design and verification required to complete tasking. Technical understanding and experience working with electronic components and software, SharePoint development experience Technical writing and research.

STFs goal is to improve the intern's experience in working in professional teams whose combined skills achieve customer satisfaction. The intern will attend meetings with customer to improve both listening and inter-personal communication skills. Finally, the intern will be exposed to a work environment where cost, schedule and performance are key metrics on personal and team evaluations.

STFs entry level engineer summer intern will perform other duties, tasks and responsibilities as assigned by management to support STF goals and objectives

List all other requirements (minimum student year, applicable majors, software/hardware experience, etc.): Rising Senior, who is currently pursuing an engineering degree and must be in good academic standing. Must be familiar with AutoCAD, Inventor, Modeling and simulation. Willingness to learn new skills and eagerness to investigate new problems both independently and as part of a team. Strong analytical skills with the ability to independently solve problems and deconstruct complex issues. Solid organizational skills, especially the ability to meet project deadlines with a focus on details. A desire to improve inter-personal 'soft' skill in a working environment.