The City of Virginia Beach Department of Information Technology’s College Summer Work (CSW) Program is designed to recruit diverse college students majoring in Information Technology, Computer Science, Information Systems, or a related discipline. The program provides viable full-time and part-time work experiences during the summer that assist students in making connections between textbook knowledge and real-world experiences.

We are seeking talented college students who demonstrate excellent problem solving, analytical, written and oral communication and interpersonal skills that may be utilized in Business Intelligence/Data Science, Information Security & Privacy, and our Communities of Interest (COI) groups including Public Infrastructure, Enterprise Architecture & Planning / IT Service Management, and Culture & Recreation.

PROGRAM INFORMATION:

Selected candidates will work a 20 to 40-hour work program between the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday for approximately 8 weeks (June 1, 2020 – approximately August 7, 2020). Normal work hours may vary depending on the position and division. Flexibility for school schedules is allowable. The applicant is responsible to provide their own transportation to work and housing during the summer work program.

Compensation:
Paid College Summer Work Program

Application Procedure:
All interested applicants should e-mail a resume, cover letter, and transcripts (unofficial will be accepted) to ITTrain@vbgov.com. Incomplete applications will not be considered for the College Summer Work Program. On site interviews will be scheduled for qualified applicants March 16, 2020 – March 27, 2020. References from College/School Professor are required at the time of interview. If you have any questions regarding this posting, please contact ITTrain@vbgov.com.

Selected candidates will be employed through a staffing agency and assigned to the City of Virginia Beach. A criminal background check, performed by this agency, is required before employment.

Important Dates:
• Application Dates: February 18, 2020 – March 20, 2020
• On Site Interviews: March 23, 2020 – April 10, 2020 (times TBD by each business area)
• Candidate selections will be announced by 5:00 p.m., April 24, 2020
• Staffing Agency Processing: Must be completed by 5:00 p.m., May 22, 2020
• Program Dates: June 1, 2020 – August 7, 2020 (approximately)

The City of Virginia Beach is an Equal Opportunity Employer
BUSINESS INTELLIGENCE / DATA SCIENCE

A College Summer Worker in Business Intelligence / Data Science will have opportunities to support the future in data analytics, smart cities, and Internet of Things (IoT). More importantly, as a College Summer Worker, you have an opportunity to make a direct and positive impact on our community while enriching your knowledge in multiple disciplines. We are looking for College Summer Workers who have a passion to proactively engage and innovate developing citizen centric solutions using emerging technologies to support the data science team.

You will be given opportunities to work in Amazon Web Services (AWS) Cloud, Office 365 Power BI and Microsoft Cloud, and voice assisted and sensor technologies to promote a data driven culture. You will also have the opportunity to support the growth and development of an organizational data community of practice; perform complex cleanup, analysis, and data mining tasks; interpret trends, patterns in data sets and images to identify anomalies; create models that depict trends, and communicate actionable insights through stories; analyze and interpret results using statistical analysis, complex logic and other techniques; and monitor and manage data flow for use in future analysis.

Learning Objective:

The City of Virginia Beach has more than 33 departments that has large amounts of current and historic data. You will have a great opportunity to work with real-world datasets to delve into and find patterns, create analytics, use machine learning to provide predictive insights, and communicate solutions through presentations. You will learn to engage with different teams learning business processes and doing exciting work with visualizations using data and spatial technologies that will contribute to the future of the city and enhance your career opportunities.

Minimum Qualifications:

• Rising senior pursuing an undergraduate degree in Computer Science, Business/Data Analytics, Mathematics, Statistics, Computer Engineering, Business Administration or related field.
• Basic skills to analyze and formulate city data using statistical and other methods to provide insights through data and predictive analytics
• Familiar with visualization tools and cloud environments.
• Possess strong written and verbal communication skills, a positive attitude, and a willingness to learn.

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PUBLIC INFRASTRUCTURE COMMUNITY OF INTEREST

As a College Summer Worker will have the opportunity to gain hands-on learning experience as a Business Analyst. You will work on a team to help the customer and IT develop Documentation that will allow the production of information to be produce in a more accurate and usable format for both the customer and The IT department. Items to be developed will include customer profile, meeting minutes, RACI charts, organization charts, asset inventory documentation, software inventory documentation, application life cycle documentation, requirements documentation, team sites, and Share Point sites.

Learning Objective

You will have the opportunity to develop professional experience of while developing a customer profile of the organizational structure, asset inventory development and process mapping within the Public Infrastructure Community of Interest.

Minimum Qualifications

- Rising senior pursuing an undergraduate degree in Computer Science, Business/Data Analytics, Mathematics, Statistics, Computer Engineering, Business Administration or related field.
- Possess strong written and verbal communication skills, a positive attitude, and a willingness to learn.

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ENTERPRISE ARCHITECTURE & PLANNING / IT SERVICE MANAGEMENT

IT Service Management (ITSM) is seeking a College Summer Worker to work on the City’s ServiceNow instances. This position will assist in developing and architecting the platform and will assist in programatically building customizations and integrations with ServiceNow to suit business needs. The ITSM College Summer Worker will work closely with other IT staff in the daily ServiceNow administration and upkeep and will assist in the following duties:

- Gather requirements from users to develop service catalog request items
- Create automated test framework scripts
- Coordinate with other information technology professionals to tailor system components and configurations to optimize performance.
- And other job duties and assignments as determined by the supervisor.

Learning Objective

The College Summer Worker will learn to support an enterprise platform-as-a-service (PaaS) solution in a municipal setting. You will have the opportunity to develop custom applications on the platform while working with City staff internal and external to IT.

Minimum Qualifications

- Rising senior pursuing an undergraduate degree in Computer Science, Business/Data Analytics, Mathematics, Statistics, Computer Engineering, Business Administration or related field.
- Ability to comprehend, modify and create server-side object-oriented JavaScript Intermediate knowledge and ability in Server Administration including the understanding of described domain structures, user permission levels and group policy objects.
- Familiar with Business Applications and cloud environments.
- Possess strong written and verbal communication skills, a positive attitude, and a willingness to learn.
CULTURE & RECREATION COMMUNITY OF INTEREST

As a College Summer worker in this Community of Interest you will research the capability of various systems, participate in the testing and debugging of programs and systems, execute tests and observe behavior of the system to validate performance and use Software Development Life Cycle (SDLC) methodologies.

Job duties will be performed requiring skills, knowledge and physical requirements as demanded by those duties described or less. Individual assignments will be determined by the supervisor based on current workloads and department needs.

Learning Objective:

Gain experience as an entry-level systems analyst. You will have the opportunity to develop professional experience of while developing a customer profile of the organizational structure, asset inventory development and process mapping within the Culture & Recreation Community of Interest.

Minimum Qualifications

- Rising senior pursuing an undergraduate degree in Computer Science, Business/Data Analytics, Mathematics, Statistics, Computer Engineering, Business Administration or related field.
- Possess strong written and verbal communication skills, a positive attitude, and a willingness to learn.
INFORMATION SECURITY & PRIVACY

The College Summer worker will assist members on the Information Security Team as they analyze security events and alerts to ensure that tools such as anti-virus, vulnerability scanners, intrusion detection, log event managers, and continuous monitoring systems are operating properly. The College Summer Worker will run reports and assist analyzing results.

Learning Objective:

Work with experienced Information Security experts and gain an understanding of how to monitor and maintain the cyber security for the City of Virginia Beach.

Minimum Qualifications

- Rising senior pursuing an undergraduate degree in Computer Science, Business/Data Analytics, Mathematics, Statistics, Computer Engineering, Business Administration or related field.
- Basic education and skills in desktop operating systems and server operating systems.
- One academic year of foundational Information Security or Cybersecurity classes i.e. Intro to Networks, Intro to programming, etc.
- Possess strong written and verbal communication skills, a positive attitude, and a willingness to learn.