Want to know more?

For more information about Bowie State University’s 2018 CSA camp, contact:

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Meet the faculty

J. Langdon, Ph.D.
D. Josyula, Ph.D.
M. Gross, Ed.D.
R. Agada, D.Sc.
T. Barriteau, MBA
Let us change our traditional attitude to the construction of programs. Instead of imagining that our main task is to instruct a computer what to do, let us concentrate rather on explaining to human beings what we want a computer to do.

--Donald Knuth

About CSA

CSA is a day camp that offers students the opportunity to engage in challenging academic work in the company of peers who share their exceptional abilities and love of learning. While the focus is on rigorous academics and learning, the social experience that results from bringing these students together is an integral part of the program.

Interested?
Applications will be available on the Bowie State University website:
http://cs.bowiestate.edu/csa-summer-camp/

Time:
The camp will run each day from 8:30 AM to 4:00 PM in the Computer Science Building on Bowie State University’s campus.

Tuition
$300 for TWO weeks - July 23rd to August 3rd
$300 for TWO weeks - August 6th to August 17th
The tuition includes lunch and materials.

Eligibility
Students from 12 to 17 years of age who are interested in science, technology, engineering, and mathematics.

Students will learn
- Computing has diverse fields of study.
- Computational (and algorithmic) thinking can be learned in fun and exciting ways.
- Computer Scientists come from a wide variety of populations.
- People in computing have varied interests.
- Camaraderie is important.

Through...
- Hands on Activities
- Project oriented teamwork
- Field trips

Benefits
- Experience real-life applications of Computer Science, Mathematics, and Physical Science principles
- Meet students who share similar interests
- Gain exposure and experience in one of today’s top career fields

Courses
- Problem Solving and Basic Discrete Mathematics Concepts
- Programming in Python
- Programming Robots
- Technical Writing for Software Specifications

Hands-On Activities
- Robot navigation
- Arduino programming
- Image manipulation using Python
- Virtual reality exploration with Oculus
- Computer animation
- Mobile application development
- Digital arts design and editing

Workshops
- How to be a College Student
- Budgeting
- Time—Management
- What is a Cray supercomputer?