George J. Cazenavette V

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OBJECTIVE: Seeking an internship in the fields of Cyber Engineering or Computer Science.

EDUCATION:

Undergraduate:
LOUISIANA TECH UNIVERSITY, Ruston, LA
Bachelors of Science in Cyber Engineering, May, 2019
Bachelors of Science in Computer Science, May, 2019
Minor: Mathematics
Enrolled in Honors College
President's Honors List
4.0 GPA

High School:
SAINT PAUL'S SCHOOL, Covington, LA
Valedictorian, Class of 2015
4.0 GPA

ACTIVITIES AND AWARDS:

Association of Computing Machinery, President
Association of Cyber Engineers
Institute of Electrical and Electronics Engineers
IEEE Xtreme Programming Challenge
36 on all subjects of Dec. 2013 ACT
National Merit Scholarship Competition Winner
National AP Scholar
U.S. Dept. of Education Presidential Scholar Semi-Finalist
FIRST Robotics Competition, Lead Programmer

WORK HISTORY:

Innovative Imaging and Research, Stennis Space Center, MS, May 2015 – September 2016 (summer)

- Developed software used to collect raw data from cameras and analyze the images taken in order to generate correction algorithms for the cameras
- Worked with laboratory equipment, such as integration spheres, function generators, oscilloscopes, monochromators, etc., daily in order to collect data used for the image processing
- Worked on the testing and development team for NASA's High Dynamic Range Stereo X (HiDyRS-X) Camera which records video where detail can be seen in both ultra-bright and ultra-dark areas
- Developed Software used to Pioneer the Characterization of the Raspberry Pi Camera V2
- Co-authored the paper "Laying the Foundation to use Raspberry Pi 3 and V2 Camera Module Raw-Data Format Imagery for Scientific and Engineering Purposes" submitted for publication to the IEEE Photonics Journal

SKILLS:

Proficient in multiple programming languages: Python, Java, Matlab, C
Proficient in many areas of Mathematics: Multivariable and Vector Calculus, Differential Equations, Calculus-Based Probability and Statistics, Linear Algebra, Discrete Mathematics
Familiar with Linux and microcontrollers: Arduino, Raspberry Pi
Familiar with SolidWorks and MathCad engineering software