

Xavier Bonner

Computational Biologist

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Career Summary

Focused on scientific research at universities and colleges in computational biology. Served in programs that advanced my overall research experience. Open to a corporate setting and/or government opportunities in scientific research. Overall goal is to be able to apply my computer science and analytical skills in a financial setting.

Education

Morehouse College

Bachelor of Science in Physics and Computer Science
Minor: Mathematics
Atlanta, Georgia
GPA: 3.32
Anticipated Graduation May 2018

Achievements & Memberships

- United Negro College Fund Mellon Mays Scholar (2016)
- MARC U*STAR Scholar (2016)
- Honor Roll (2016, 2015, 2014)
- National Society for Black Engineers Member (2016, 2015)
- Society of Physics Students Member (2016, 2015)
- Amgen Scholar (2015), Dean's List (2015, 2014)
- MBRS RISE Scholar (2014, 2013)
- Alpha Lambda Delta Inductee (2013)

Professional Experience

Morehouse College Research

Scientific Research- September 2015-Present

- Lead weekly laboratory meetings in journal discussions
- Helped assemble and establish lab procedures and protocols in order to set up facility
- Developed individualized laboratory project surrounding the scope of cohorts

Consolidate Nuclear Energy (CNS) at Y-12

Scientific Research- July 2016-August 2016

- Automated calibration of nuclear detection process for Non-Destructive Analysis team using C# and MAESTRO software
- Created a graphical user Interface which engaged a linear actuator and sodium iodine (NaI) detector for data acquisition
- Conducted research in conjunction with National Nuclear Security Administration for homeland security purposes on classified levels

Stanford Summer Research Program

Scientific Research- June 2015-August 2015

- Engaged in a 9 week study involving repetitive element mapping software
- Generated data independent of post-doctoral mentor for weekly presentations
- Worked in highly competitive environment with 90+ individuals on genomics laboratory project

Princeton Neuroscience Institute Program

Scientific Research- June 2014-August 2014

- Investigated biological principles associated with Major Histocompatibility Complex Class 1
- Generated vital samples, buffers, and assays of which data was collected and analyzed by lab members
- Participated in weekly conferences in order to expound on scientific procedures with other top researchers

Technical Qualifications

Semi-fluent in Python, fluent in C++, semi-fluent in C#, semi-fluent in MatLab, fluent in xcode, fluent in LINUX