

# Andre D. Bryan

SOFTWARE ENGINEER

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*"Everybody should learn to program a computer, because it teaches you how to think."*

## Education

### Allegheny College

Meadville, PA

B.S. IN COMPUTER SCIENCE

August. 2014 - May 2018

- Main subjects: Software Engineering, Algorithms, Programming, Documentation, Networks, Testing.  
Title of Senior Thesis: "Anomaly Detection of Simulated Malware Attacks using Gradient Boosted Decision Trees".  
Thesis activity leveraged system monitoring and utilized Gradient Boosted Decision Trees to detect and classify simulated malware attacks. The use of a MySQL and Python aided in the implementation of the research.

## Skills

**Programming** Python, C/C++, Java, LaTeX

**Operating Systems** Windows, Linux/Unix

## Experience

### Allegheny College Computer Science Department

Meadville, PA

TEACHERS ASSISTANT

Sep. 2015 - PRESENT

- Assisted students with laboratory assignments and prepared students for exams.
- Held weekly office hours where assistance would be given to students that needed help.
- Students would better understand what was needed of them and how topics discussed in class contributed to the assignment.

### Cryopak

Edison, NJ

SOFTWARE ENGINEER & INFORMATION TECHNOLOGY

May - Aug. 2016

- Configured and troubleshooted computers and printers.
- Developed a Project Tracking Database GUI with the use of JavaFX in order to track and assign lab projects.

### iDTech Camp

Princeton, NJ

JAVA & C++ INSTRUCTOR

June - Aug. 2015

- Constructed a curriculum in order to teach children ages 13 - 17 how to code in Java.
- Lectured as the new lead C++ instructor to teach students ages 13 - 17 the fundamentals of C++.

## Extracurricular Activity

### Nu Mu Chapter of Phi Beta Sigma Fraternity, Inc.

Allegheny College Meadville, PA

CORE MEMBER & TREASURER

Nov. 2016 - PRESENT

- Member of the reactivation of the chapter on campus.
- Managed the budget and expenses.
- Contributed in the creation of events that focus on financial literacy, professionalism, social action, and health.

### Allegheny College Track & Field

Allegheny College Meadville, PA

ATHLETE

Sept. 2014 - PRESENT

- Committed 15 hours per week to training and competitive play while maintaining course load
- Broke the school record for the Long Jump and 60m dash