

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 Neo4j, Python, and scikit-learn aided in the implementation of the research.

Skills

Proficient Python, Java, LaTeX

Familiar C, C++, MySQL

Operating Systems Windows, Linux/Unix

Other Travis-CI, Git

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.

Crypapak

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 competition while maintaining course load
- Broke the school record for the Long Jump and 60m dash

Allegheny College Big Ideas Competition

Allegheny College Meadville, PA

FINALIST

April 2017

- Created a business plan for a Malware Detector Software as a Service Company.
- Researched about how anti-virus software is sold and developed a business idea and presented to judges.

Volunteer Experience

Phi Beta Sigma Fraternity Inc.

Meadville, PA

MAKE A DIFFERENCE DAY

Jan. 2018

- Assisted with set up for over 60 projects and more than 300 students and community members.
- Completed a deck paint job for a local resident.

Allegheny College

Meadville, PA

4TH GRADERS AS SCIENTISTS

Jan. 2018

- Guided local 4th grade students around Allegheny College for a day of fun with workshops and activities that explore various scientific fields and their applications.
- Assisted with educating the 4th graders through various workshops and activities.

Phi Beta Sigma Fraternity Inc.

Meadville, PA

SERVICE SATURDAY

2016-2018

- Assisted the Meadville community through various jobs during the first Saturday of every month.

Phi Beta Sigma Fraternity Inc.

Pittsburgh, PA

SLEEPOUT FOR THE HOMELESS

Nov. 2016

- Participated in the staying outside all night Forbes Ave in Pittsburgh in order to raise money for homeless youth.

InterVarsity's New York City Urban Project

New York City, NY

FEED 500

2013

- Assisted in the creation of 500 meals and note cards that would be given out to the homeless around New York City
- Walked around New York City and handed out meals to those that were homeless and ate meals with them and talked about their experiences.