

# Basit Balogun

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## Education

**Lafayette College: Easton, Pennsylvania.**

**Expected Graduation: 2021**

B.S. Computer Science • Minor in Economics. • GPA: 3.63

Related Coursework: Software Engineering (C++), Data Structures and Algorithm (Java) and Principles of Economics.

Honors: Posse Foundation Full-Tuition Scholarship (2017-2021), Dr. Eugene Deloatch '59 First-Year Academic Achievement Award (2018) and Dean's List (2018)

## Skills

### Technical

JAVA, C++, HTML, R, SQL, certified for Microsoft Office, 2D and 3D Computer Aided Designing, Certified in Customer service and communications.

### Languages

English (Native Proficiency), Yoruba (Native Proficiency), French (Elementary Proficiency)

## Work and Volunteer Experience

### Data Structures and Algorithm Teaching Assistant at Lafayette College

**Easton, PA**

Jan 2019 – Present

- ❖ Debug errors in student's labs and give detailed visual or oral explanations as to why they had such errors.
- ❖ Provide guidance to students by helping them make sense of the technicalities of each data structure.

### HSAP Instructor at Khan's Tutorial

**Jackson Heights, NY**

Mar 2018 – Present (Seasonal)

- ❖ Implement lesson plans created by Khan's Tutorial to improve High School student's success rate on all exams in addition to tutoring them in any area they require help in.
- ❖ Consistently exceeded the exact standards of Khan's tutorial while working effectively in its high volume and fast paced environment.

### Lead Designer for Newtown Technotics Robotics Team

**Greater New York City Area**

Sept 2016 – Jun 2017

- ❖ Simultaneously implemented skills in AutoCad and SolidWorks Graphics Design programs to design a robot which efficiently competed in the FRC Robotics Competition.
- ❖ Gained experience from renowned Engineers at Alliance Bernstein who gave insight to the different challenges our team came across while building the robot.

## Projects

### HiveChimes Software Development [Group Project] (C++ & SQL)

**Easton, PA**

Jan 2019 – Present

- ❖ Created a software which generate, records and consumes real time bee entry and exit data in a hive to relay bee behavioral data to the users with choices of an artistic, graphical or textual visualization of the data.

### Event Driven Simulation of a Coffee Shop Chain (JAVA)

**Easton, PA**

Aug 2018 – Dec 2018

- ❖ Created a simulation of a coffee shop with various variables such as number of cashiers and estimated profit per customer to determine the optimal number of cashiers to hire to optimize profit.
- ❖ Went on to create another simulation which calculates and prints the optimal delivery route for trucks to deliver all coffee shop cargo orders to warehouses across a map of cities.

## Activities

### School

Academic affairs chair (Student Government), Association of Computing Machinery.

### Extracurricular

Volunteered at Elmhurst Hospital, Provide Calculus 1 and General assistance to my peers, Provide resume design help to peers and High School students.