

# Brian Nieves

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## EDUCATION

### DUKE UNIVERSITY

BACHELOR OF SCIENCE

Expected May 2020 | Durham, NC

Cumulative GPA: 3.64

Major: Computer Science

Minor: Philosophy

Certificate: Decision Science

## SKILLS

PYTHON



JAVA



HTML/JS



C



SQL



## CERTIFICATIONS

### ORACLE CERTIFIED ASSOCIATE

Java SE7 Programmer

### ADOBE CERTIFIED ASSOCIATE

Adobe Photoshop CS6

Adobe Dreamweaver CS6

## COURSEWORK

### UNDERGRADUATE

COMPUTER SCIENCE

Algorithms

Operating Systems

Data Structures

Databases

Machine Learning

Software Design & Implementation

MATHEMATICS

Multivariable Calculus

Linear Algebra

## EXPERIENCE

### HOUND DATA CENTER DIAGNOSTIC

#### DATA+ SUMMER EXPERIENCE, CONTINUING RESEARCH

JUN 2018 – CURRENT | DUKE UNIVERSITY

- Employing statistical models in Python to identify performance anomalies.
- Utilizing Apache Spark in Python to run analyses on a distributed system.
- Developing a rescheduling proposals based on the models' results.
- Developing an API to allow researchers and companies to use Hound.

### RESEARCH ASSISTANT | MOTIVATED MEMORY LAB

JAN 2018 – CURRENT | DUKE UNIVERSITY

- Developing tasks for Amazon Mechanical Turk studies.
- Creating the front end using HTML, CSS, and JavaScript.
- Hosting the tasks and data with Apache and a MySQL database.

### BITASY.ME | PERSONAL WEBSITE

JAN 2018 – CURRENT

- Developing a responsive website using HTML4 and Bootstrap CSS.
- Designing a display for my current projects and experiences.
- Building with Node.js tools to update HTML/JS for real time development.

### VOOGAPEACHES | CLASS PROJECT

NOV 2017 – DEC 2017 | SOFTWARE DESIGN & IMPLEMENTATION

- Developed a Video Game Authoring Environment using Scrum.
- Built an object oriented and intuitive user interface using JavaFX.
- Implemented user data to customize workspace styles and layout.

### TEACHING ASSISTANT | COMPUTER ARCHITECTURE

AUG 2017 – DEC 2017 | DUKE UNIVERSITY

- Led and graded homework for a recitation group of 18 students.
- Reiterated over class material and guided recitation assignments.
- Held weekly office hours, helping students individually with their work.

### OPERATIONS ANALYST | TOUFAYAN BAKERY OF PLANT CITY

JUL 2016 – AUG 2016 | PLANT CITY, FL

- Measured and recorded various types of data relating to baked goods.
- Visualized data using Excel by creating tables, charts and graphs.
- Added statistical tests to verify uniformity and adherence to specifications.
- Created dynamic reports on causes for conveyor down-time for each belt.