Brian Nieves

19203 Garden Quilt Circle. Lutz, FL 33558
brian.nieves@duke.edu | 813.846.5609

EDUCATION

DUKE UNIVERSITY
BS in Computer Science
Expected May 2020 | Durham, NC
Cum. GPA: 3.57

GEORGE M STEINBRENNER HS
Grad. June 2016 | Lutz, FL

UNIVERSITY OF SOUTH FLORIDA
STEM For Scholars Summer Program
2014 STEM For Scholars
2012 STEM For Scholars

LINKS

Github: https://github.com/bitasy

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Computer Architecture
Software Design and Implementation
Linear Algebra
Multivariable Calculus

HIGH SCHOOL
Foundations of Web Design
Web Development and Technology
User Interface Design
Applied Object Oriented Java

SKILLS

PROGRAMMING
Fluent
Java • HTML • Git
Familiar
JavaFX • Android • CSS • Python
C • MIPS Assembly

SOFTWARE
Microsoft Office
Word • Excel • Outlook
Adobe Suite
Photoshop • Flash • Dreamweaver
Other
Eclipse • IntelliJ • Atom

EXPERIENCE

TEACHING ASSISTANT | Computer Architecture
August 2017 – December 2017 | Duke University
- Lead and graded homework for a recitation group of 18 students.
- Reiterated over lecture material and answered questions about recitation assignments.
- Held office hours every week, working individually with students on their projects and understanding of the material.
- Topics included assembly, binary algebra, ALU units, register files, virtual memory, caching, I/O, etc.

COMPUTER SCIENCE TUTOR | Data Structure and Algorithms
January 2017 – May 2017 | Duke University - Peer Tutoring Program
- Worked personally with two students on course material.
- Topics included Big-O, string manipulation, arrays, linked lists, trees, graphs, etc.

OPERATIONS ANALYST | Toufayan Bakery of Plant City
July 2016 – Aug 2016 | Plant City, FL
- Measured and recorded various types of data relating to weights and moisture levels of baking goods such as cookies and bread.
- Visualized recorded data using Excel by creating tables, charts and graphs. Added statistical tests to verify uniformity and adherence to specifications for moisture and weight levels.
- Analyzed down-time data for each of the factory's conveyor belts by pulling from an Access database to Excel and applying complex formulas to create dynamic reports on causes for down-time for each belt.

STEM FOR SCHOLARS STUDENT | University of South Florida
STEM For Scholars Summer Program
Summer 2014
- Learned about topics ranging from topology to conducting research in a 6 week long summer program
- Wrote multiple unpublished papers, including a research article based on describing quantum computing.

AWARDS AND CERTIFICATIONS

2016 Oracle Certified Associate, Java SE7 Programmer
2015 3rd/State, Florida FBLA Mobile Application Development
2015 Adobe Certified Associate, Adobe Photoshop CS6
2015 Adobe Certified Associate, Adobe Dreamweaver CS6

SOCIETIES

2016-2018 Duke Philosophy Union
2016-2017 Duke Symphonic Orchestra