Brandon Osiel Salazar

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Education

The University of Texas at Dallas: Richardson, TX
Bachelor of Science: Mathematics (**GPA: 3.47**), (Major GPA: 3.67)   **Graduation:** May 2020
Courses: Data Structures and Algorithms, Combinatorics and Graph Theory, Complex Analysis, Data Analysis in R, Numerical Analysis, Linear Algebra, Ordinary Differential Equations, Probability and Statistics

Relevant Experience

Software Developer, Paycom   **Jan 2021 – Present**
- Develop UI using jQuery, JavaScript, Ajax, HTML, and CSS to support seamless user experience
- Identify and resolve security issues involving SQL Injections and XSS vulnerabilities
- Fix major bugs affecting millions of users on a daily, weekly, and monthly basis based on priority
- Optimize web application performance, write Unit Tests, and work on RESTful API
- Languages: PHP, JavaScript, MySQL, HTML/CSS

Mathematics Tutor, University of Texas at Dallas   **Sep 2017 – Dec 2020**
- Tutor Mathematics and programming, specializing in Linear Algebra and Calculus 1, 2, and 3
- Analyze student progress in courses to develop personalized action plans to ensure their academic success

Skills

Programming Languages: **Spoken Languages:**
    Proficient: Java, PHP, SQL, JS   **Proficient:** English, Spanish
    Familiar: Python, C++, React, HTML, CSS, R(ggplot2), C#
Tools: Git, Linux (Ubuntu), Firebase

Projects

Personal Website*: brandonsalazar.com* (for additional information and projects)

Investing Growth App (Java, Android Studio), *Hobby*   **Sep 2020**
- Created and published android app on Google Play Store that calculates expected growth of investments
- Implemented API to receive real time stock prices, along with designing user interface

Android Chat App (Java, Android Studio, Firebase), *Hobby*   **Jul 2020**
- Developed android app on Android Studio that allows users to chat with each other
- Implemented Firebase (authorization, databases, storage), and designed User Interface

Sorting Algorithms Visualizer and UI (React/Redux), *Hobby*   **Jun 2020**
- Built an interactive React/Redux application that visualizes sorting algorithms
- Implemented Bubble Sort, Heap Sort, Insertion Sort, Quick Sort and Merge Sort

Data Analysis on U.S Flight Record Dataset (R), *Academic*   **Mar 2020**
- Analyzed data to find best fitting distributions in order to obtain expected values and probabilities
- Derived and presented meaningful conclusions from a real dataset of 260,000 objects and 9 variables

Data Scraping and Analysis on E-commerce Website (Python, bs4), *Hobby*   **Feb 2019**
- Developed a program in Python to scrape product names, prices, and ratings from a website
- Designed and Implemented databases to prepare data for cleansing and analysis

Leadership and Awards

Head Mentor, Academic Bridge Program (ABP) at UT Dallas   **Aug 2018 – May 2020**
- Mentor 4 students to aid them in reaching their academic and career goals by providing monthly guidance

Secretary, Rotaract Club   **Aug 2018 – Aug 2019**
- Took charge of delegation, held biweekly general meetings, and created events

Mathematics Tutor of the Year, UT Dallas Interdisciplinary Studies   **Apr 2019**
Academic Bridge Scholar, UT Dallas Interdisciplinary Studies   **Jun 2016**