Brandon Osiel Salazar

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Objective

Seeking Quantitative Analytics Internship for Summer 2020 to grow my foundations in Model Development and Data Analysis

Education

The University of Texas at Dallas: Richardson, TX

Master of Science: Mathematics, *focus:* Data Science (GPA: 3.5)   **Graduation:** May 2021
Bachelor of Science: Mathematics (GPA: 3.4), (Major GPA: 3.67)   **Graduation:** May 2020
Courses: Combinatorics and Graph Theory, Complex Analysis, Data Analysis, Differential Geometry, Numerical Analysis, Numerical Linear Algebra, Ordinary Differential Equations, Probability and Statistics, Techniques in Applied Mathematics

Skills

Programming Languages: **Spoken Languages:**
       Proficient: Python (Matplotlib, Pandas)   **Proficient:** English, Spanish
       Intermediate: SQL, MATLAB, R
       Novice: Power BI, Spark, Hadoop, HTML, Mathematica
Tools: Excel, VBA, Tableau

Projects

Data Scraping and Analysis on e-commerce book website (Python, bs4, SQL), *Academic*   **Nov 2019-Dec 2019**
- Developed a program in Python to scrape data from an e-commerce book website
- Designed and implemented databases in SSMS for the purpose of descriptive statistical analysis

Cryptocurrency-predicting RNN Model (Python, TensorFlow), *Academic*   **Jul 2019-Aug 2019**
- Trained a recurrent neural network to predict cryptocurrency price movement
- Successfully predicted price change direction of cryptocurrency with a validation accuracy of 0.58%

Knot Theory (Mathematica), *Academic*   **Jan 2019 – May 2019**
- Researched and conducted Independent study with a Professor of Mathematical Sciences at UTD in Knot Theory
- Showed by computation that the alexander polynomial of an L-Space knot has a simple root in the unit circle

Relevant Experience

Undergrad Teaching Assistant, University of Texas at Dallas   **Sep 2019 – Present**
- Lead two 110-minute problem sessions for Calculus 3 along with another TA on a weekly basis
- Engage students by implementing the Socratic method and organizing the sessions into an active learning style

Mathematics Tutor, University of Texas at Dallas   **Sep 2017 – Present**
- Tutor Mathematics and basic programming, specializing in mathematics from Algebra up to upper-level Mathematics
- Instruct students one to one and lead weekly group review sessions for Calculus 1, 2, and 3
- Analyze student progress in math courses in order to develop personalized action plans to ensure their academic success

Sales Representative, Metro PCS   **Jun 2016 – Aug 2016**
- Met customer needs and ensured each individuals satisfaction by giving them a personalized product choice
- Handled cash transactions and earned commission by collaborating with a team to meet a monthly quota

Student Assistant, Mountain View College   **Jun 2015 – Aug 2015**
- Collaborated with a team of writers in order to provide writing assistance to at least 5 individuals daily
- Managed and organized our workspace, where I carried out filing duties along with conducting daily reports

Leadership and Awards

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

Member, Society of Industrial and Applied Mathematics (SIAM)   **Jan 2018- Present**

Secretary, Rotaract Club   **Aug 2018 - Aug 2019**
- Organized event as a Site Leader where we distributed at least 100 trees to Plano residents to sustain the environment
- Took President and Vice President roles, by taking charge of delegation, holding general meetings, creating events, etc.

Family Leader (Mentor), Undergraduate Success Scholars (USS) at UT Dallas   **Aug 2018 - Aug 2019**
- Led a group of 3 students in a related major where I organized events for them along with providing weekly mentorship

Member, Society of Hispanic Professional Engineers (SHPE)   **Aug 2017- Aug 2018**
Mathematics Tutor of the Year, UT Dallas Interdisciplinary Studies   **Apr 2019**
Mathematics Tutor of the Year, UT Dallas Interdisciplinary Studies   **Apr 2018**
Academic Bridge Scholar, UT Dallas Interdisciplinary Studies   **Jun 2016**