Justin Bennett
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EDUCATION

Lehigh University, Bethlehem, PA
Bachelor of Science: Physics   **August 2019 - Expected May 2023**
Minor: Data Science
Cumulative GPA: 3.36/4.00
Related Minor and Major Completed Credits: Calculus through Multivariable, Linear Algebra, Complex Variables, Probability and Statistics, Classical Mechanics, Quantum Mechanics I and II, Thermal Physics, Black Holes and String Theory, Special Relativity, Nuclear and Elementary Particle Physics, Statistical Computing and Applications, Intro to Programming, Programming and Data Structures, Intro to Data Science, Survey of Computer Science

EXPERIENCE

Research Asst. at the Hadron Collider STAR Collaboration   **Bethlehem, PA:** *December 2020-Present*
- Utilized C++ to analyze millions of oxygen-oxygen collisions with 1, 2, and 3 dimensional histograms
- Selected as the only Undergraduate Research Assistant to collaborate with a group Graduate Students over the summer of 2020
- Strengthened my independence and complex data analysis skills, as well as having to learn very quickly new subject material, and how to use C++ to do complex data analysis
- Learned to work in a large group with independent goals to complete a common goal, developed communication skills working on coding assignments as a team, presented analysis progress weekly in powerpoint presentations answering questions, and showing and communicating any progress or error

Finance Internship through Israel by Design   **Tel Aviv, Israel: January 2019-March 2019**
- Acquired skills in app development and functioning for an Israeli financial start-up company
- Inspected a new Cryptocurrency app for Java coding errors
- Reviewed advances in financing and cryptocurrencies and inspired my interest in a career in finance

Research Intern U of R - Brain & Cognitive Science   **Rochester, NY: April 2017-August 2017**
- Acquired skills in laboratory procedures and analytical/statistical process
- Analyzed data from Functional MRI's utilizing RStudio to formulate data scores
- Accomplished an understanding of the early Math Skills in the developing brain of children

PROGRAMMING SKILLS

- Proficient in R, and comfortable with python, C++ and object oriented programming in Java
- Comfortable with data analysis in C++, python, or R to analyze large quantities of data
- Accomplished in data construction and subsequent analysis, as well as cleaning large datasets
- Familiar with different forms of modeling such as k-NN, Decision Trees, Naive Bayes, various forms of clustering, visualization of multivariate data, using monte carlo method, probability density estimation

LEADERSHIP & ACTIVITIES

Sigma Phi Delta Engineering Fraternity   **Lehigh University**
Recruitment Chair   *August 2020 – May 2021*
- Organized recruitment events to promote the values of the fraternity and introduced new members
- Enhanced and streamlined our recruitment process during remote learning and social distancing
- Developed new methodologies for social interactions during the pandemic leading to 18 new members