Juan Valentin Garcia

(956) 560-7329   jvg28@cornell.edu

Home Address: School Address:
916 S 19th Ave   207 Boldt Hall
Edinburg, Tx 78539   Ithaca, NY 14850

EDUCATION

Cornell University, College of Engineering, Ithaca, NY   **Expected May 2020**
Bachelor of Science, Operations Research and Information Engineering, Minor(s): Business
Relevant Courses and skills:
Programming Languages: Python, Java, HTML, JavaScript, CSS, Julia
Programs: SQL, Excel, R, AMPL, GIS, Inkscape
Other Courses: Statistics, Intro to Queueing Theory, Simulations, Optimization, Entrepreneurship for Engineers, Big Data

RELEVANT EXPERIENCE or ENGINEERING EXPERIENCE

EzraBox, Ithaca, New York, *Marketing Team*   **Jan. 2018 - Dec. 2018**
- Promoted the company's service of affordable summer storage to the Cornell community and generated $1,000 in revenue within the first summer through social media advertising as well as speaking with students on campus.

Math Tutoring Business, Edinburg, TX, *Founder*   **Aug. 2016 - May 2017**
- Developed lesson plans for clients that struggled with material in Early College Pre-Calculus, AP Calculus AB, and AP Calculus BC.
- Created and managed schedules for client interactions for a team of 3.

RESEARCH EXPERIENCE

Basketball Analysis, Ithaca, New York, *Undergraduate Researcher*   **July 2019 - Current**
- Create and manipulate data sets relevant to events that occur within an NBA game to analyze the point spread system with every point that is scored through the scalable Poisson process and Skellam distribution.

Engineering Summer Math Institute, Ithaca, New York, *Undergraduate Researcher*   **June 2017 - Aug. 2017**
- Awarded $2,000 by the National Science Foundation to create a program that would identify the optimal strategy to win in any given situation for the game 'Shotgun'.

LEADERSHIP EXPERIENCE

Gymcast, Ithaca, New York, *Founder*   **April 2019 – July 2019**
- Programmed a data analysis model to increase efficiency at the gym and decrease the rate of injury for weightlifters.
- Spoke to over 100 potential clients to get a better understanding of the problem that weightlifters were facing.

Cornell SHPE, Ithaca, New York, *Co-Director of Corporate Relations*   **May 2019 - Current**
- Organize over 10 events such as information sessions/coffee chats in collaboration with Fortune 500 companies.

Cornell Hyperloop, Ithaca, New York, *Business Development Lead*   **Jan. 2019 - Current**
- Manage email and social media marketing to attract companies and alumni to fund our project.
- Raised over $10,000 for materials used in the production of the Hyperloop pods.

Titan Analytics Inc., Ithaca, New York, *Data Acquisition Manage*r   **Sept. 2018 – Current**
- Supervise the collection and manipulation of data from football games that will be used to feed into a machine learning algorithm to create an analysis of a team's performance during a game.

Additional Skills and Interests

Foreign Languages: Spanish (fluent)
Interests: Bodybuilding, Basketball, Astronomy, Video Games, Philosophy