

Juan Valentin Garcia

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School Address:
207 Boldt Hall
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EDUCATION

Cornell University, College of Engineering, Ithaca, NY **Expected May 2020**

Bachelor of Science, Operations Research and Information Engineering, Minor(s): Business

Relevant Courses: Big Data, Data Science, Machine Learning, Statistics, Discrete Structures, Entrepreneurship

Awards & Recognitions: Ryan Scholar, NACME Scholar, ESMI Scholar

RELEVANT EXPERIENCE

Titan Analytics, Cornell University, Ithaca, NY, *Data Acquisition Manager* **Sept. 2018 – Current**

- Supervise the collection and manipulation of data from football games used to feed a machine-learning algorithm to create an analysis of a team's performance during a game.
- Facilitate weekly meetings to discuss increasing the efficiency of data collection for football games.

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 scored through the scalable Poisson process and Skellam distribution.

Cornell Hyperloop, Cornell University, Ithaca, NY, *Business Development Lead* **Jan. 2019 - Current**

- Manage email and social media marketing to attract companies and alumni to fund our project.
- Generated over \$15,000 for parts used to make the Hyperloop pod for the annual SpaceX Competition.

Gymcast, Ithaca Rev: Hardware Accelerator, Ithaca, NY, *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 200 potential clients to get a better understanding of the problem that weightlifters were facing.

Engineering Summer Math Institute, Cornell University, *Undergraduate Researcher* **June - 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'.

COMMUNITY INVOLVEMENT

Cornell SHPE, Cornell University, Ithaca, NY, *Co-Director of Corporate Relations* **May 2019 - Current**

- Organize over 10 events such as information sessions/coffee chats in collaboration with Fortune 500 companies.

Math Tutoring Business, Edinburg, TX, *Founder* **Aug. 2016 - May 2017**

- Educated 12 clients that needed help in either Algebra, Pre-Calculus or Calculus AB/BC.

SPECIALIZED SKILLS

Languages: Spanish (fluent), English (fluent)

Relevant Skills:

Programming Languages: Python, SQL, R, Julia, VBA, MATLAB, Java, HTML, CSS, JavaScript, AMPL

Skills: Product Development, Time Management, Networking, Communication, Teamwork