Diego Escobedo

Boston, MA | diegoesc@mit.edu | 650-445-9879

Education

Massachusetts Institute of Technology (MIT) **Class of 2022**

- Candidate for B.S. in Computer Science & Engineering – GPA 4.8/5.0
- Relevant Coursework: Introduction to Machine Learning, Design and Analysis of Algorithms, Computer Systems Engineering, Optimization Methods, Macro/Micro, Multivariable Calculus, Linear Algebra, Probabilistic Systems Analysis

Work Experience

Goldman Sachs – Quantitative Strategist Intern **Summer 2021**

Consumer & Wealth Management **New York City, NY**

- Updated a performance attribution report generation system to include advanced tooling for benchmark analysis and a robust set of linking algorithms. New features used for tens of thousands of reports covering $1 trillion in AUS.
- Created a tool to enable client teams to originate, price, and adjust custom fixed-rate interest products. Currently being used to roll out new bank loans to UHNW clients.

Google – STEP Intern **Summer 2020**

Google Research **Mountain View, CA**

- Created a fantasy basketball engine, where users could build a custom team, insert them into a real NBA season, and use a model to predict the outcome of a match between any two teams. Abstracted players into ~30 efficiency and counting stats and integrated their identities into a "bag of players" feature.

Electronic Arts (EA) – Global Analytics and Insights Intern **Summer 2019**

Maxis Studios **Redwood City, CA**

- Leveraged data from ~1.5M players and developed a RF classifier to optimize targeted advertising and improve key business KPIs. Used data from first few hours of gameplay to predict spend outcome and send offers to ensure indecisive players are brought into the company's pack buyer network. Performed at ~88% accuracy.

Stanford School of Medicine – Molecular Imaging Program Intern **Summer 2017 – Spring 2018**

Multi-Modality Imaging Lab **Stanford, CA**

- Invented a 'smart toilet' platform that analyzes bodily fluids to enable the early detection of diseases such as diabetes, urinary tract infections, and STIs, by collecting and matching biometric and medical data to create a longitudinal profile of patients' health.
- Used MATLAB to create an image acquisition and segmentation algorithm that detects areas of interest in urinalysis assays and translates RGB color profiles into biochemical data.

Leadership Experience

Phi Delta Theta – Massachusetts Gamma Chapter **September 2018 – Present**

President *May 2020 – Present*

Misc: Recruitment, Judicial, Social, Academics Chair *December 2018 – May 2020*

- As President, redesigned the bylaws, improved safety procedures, and spearheaded house renovation efforts. In charge of coordinating over 20 officers' efforts in a variety of areas, including house management, social, and academic endeavors.

Other

- **Tech/Tools:** Python, SQL, Tensorflow, Git, Java, AWS
- **Languages:** Fully trilingual in Spanish, English, and Portuguese
- **Activities:** DJing, Film Photography, Sea Diving
- **Publications:** A mountable toilet system for personalized health monitoring via the analysis of excreta. Nat Biomed Eng (2020). https://doi.org/10.1038/s41551-020-0534-9