Diego Escobedo

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MIT Senior with a deep interest in how machine learning techniques can be applied to personalized healthcare and financial markets. Extensive background in both research and industry, and a proven track record of leadership.

Education

Massachusetts Institute of Technology (MIT) **B.S. Class of '22 / MEng Class of '23**

- B.S. in Computer Science & Engineering / MEng in Computer Science (Artificial Intelligence Concentration)
- Undergraduate GPA: 4.7/5.0, Graduate GPA: 5.0/5.0
- Relevant Coursework: Machine Learning, Advanced NLP, Linear Algebra, Design and Analysis of Algorithms

Work Experience

MIT Computer Science & Artificial Intelligence Laboratory – Undergraduate Researcher **Fall '21 - Present**
Geometric Data Processing Group **New York City, NY**

- Currently developing applications for the Neural ODE family of DNN models in the bioinformatics and graphics space.
- Responsible for developing models that can predict the developmental time courses followed by stem cells during cell reprogramming, using scRNA-seq profiles.

Goldman Sachs – Quantitative Strategist Intern **Summer '21**
Consumer & Wealth Management **New York City, NY**

- Created a tool to enable client teams to price, hedge, and trade custom fixed-rate interest products. Currently being used to roll out new bank loans to UHNW clients.

Google – STEP Intern **Summer '20**
Google Research **Mountain View, CA**

- Created a fantasy basketball engine, where users could simulate any match between any team. 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 '19**
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. Model predicted spend outcome to ensure players were brought into the company's pack buyer network.

Stanford School of Medicine – Molecular Imaging Program Intern **Summer '17 – Spring '18**
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, UTIs, and STIs, by collecting and matching biometric and medical data to create a longitudinal profile of patients' health.

Leadership Experience

Phi Delta Theta – Massachusetts Gamma Chapter **September '18 – Present**
President *May '20 – May '21*
Misc: Recruitment, Judicial, Social, Academics Chair *December '18 – May '20*

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

Other

- **Tech/Tools:** Python, Pytorch/Tensorflow, Git, Java, SQL
- **Languages:** Fully trilingual in Spanish, English, and Portuguese
- **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