Diego Escobedo

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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 (G), Advanced NLP (G), Linear Algebra, Algorithms, Computer Vision (G)

Work Experience

Citadel – Quantitative Researcher Intern   **Summer '22**
Data Strategies Group   **Chicago, IL**

- Onboarded and analyzed two novel datasets for the Consumer Staples team, generating alpha through major improvements in understanding store-level inventories and insight into retailer margins.
- Developed a pricing algorithm to determine the true underlying dynamics of items affected by factors such as supply chain shortages and discounts, leading to significant accuracy gains when modelling CPI and other price-related metrics.

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 tools to enable client teams to price, hedge, and trade custom fixed-rate interest products to serve UHNW clients.

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

- Created a fantasy basketball engine that allowed for arbitrary matchups by abstracting players into ~30 custom features.

Electronic Arts (EA) – Global Analytics and Insights Intern   **Summer '19**
Maxis Studios   **Redwood City, CA**

- Developed a RF classifier to optimize targeted advertising and bring players 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 and patented 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 data to create a longitudinal profile of patients' health.

Leadership Experience

Phi Delta Theta – Massachusetts Gamma Chapter   **September '18 – Present**
Misc: President, Recruitment/Social/Academics Chair

- 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, SQL, Pytorch/Tensorflow, Git, Java,
- **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