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Diego Escobedo

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Education

Massachusetts Institute of Technology **Class of 2022**

- Candidate for B.S. in Computer Science, Economics and Data Science
- Relevant Coursework: Intro to Algorithms, Probabilistic Systems Analysis, Intro to Machine Learning, Optimization Methods in Analytics, Math for CS, Fundamentals of Programming
- GPA: 4.7/5.0

Work Experience

Electronic Arts (EA) – Maxis Studios **May 2019 – Present**
Global Analytics and Insights Intern **Redwood City, CA**

- Leveraged data from ~1M players and applied RF and Logistic Regression algorithms in Python to determine what engagement/gameplay factors were essential to increasing business KPIs.
- Generated daily reports and produced ad-hoc analysis for a variety of business units and studio leadership, as well as a long-term project building machine learning prediction models.

MIT Media Lab – Viral Communications Group **December 2018 – March 2019**
Undergraduate Researcher – Layer Project **Cambridge, MA**

- Developed a content-based recommendation algorithm that maintained privacy by performing binary representation matrix calculations on end devices and using an encrypted data store.
- Built detailed and robust user profiles by implementing a naïve Bayes classifier with a multivariate Bernoulli event model in Python.

Stanford School of Medicine – Molecular Imaging Program **June 2017 – April 2018**
Intern **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.
- Patent Application: Escobedo, D. 2018. A Fully-Automated Smart Toilet Mount for Continuous Human Health Monitoring. U.S. Patent Application 62/695326 filed July 2018. Patent Pending

Leadership Experience

Amphibious Achievement **September 2018 – Present**
Mentor *September 2018 – Present*
Director, External Relations Branch *December 2018 – June 2019*

- Coordinated and continued developing a dual athletic-academic mentorship program for over 70 high school students with the purpose of expanding their higher education opportunities.

Skills/Interests

- **Coding Languages:** Python, MySQL/HiveQL, Julia; some knowledge of Java, MATLAB and R
- **Tech/Tools:** Git, Amazon Redshift, LaTeX, scikit-learn, Hadoop, Unity, Rhino 3D
- **Languages:** Fully trilingual in Spanish, English, and Portuguese
- **Activities:** D&D Dungeon Master, DJ, PADI-certified Diver, Phi Delta Theta Scholarship Chair