Personal Website
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JESUS LARES

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY   **Cambridge, MA**
Expected Graduation Date: June 2022   GPA: **4.80/5.00**
Candidate for Bachelor of Science in Computer Science and Physics with a minor in Economics

Relevant Coursework: Intro to Machine Learning, Intro to Computational Thinking and Data Science, Intro to Algorithms, Intro to Probability, Intro to Quantum Computing, Classical Mechanics II, Electricity and Magnetism II, Relativity, Differential Equations

PALM BEACH STATE COLLEGE, FLORIDA ATLANTIC UNIVERSITY: **Lakeworth, FL**
June 2015 – May 2018   GPA: **4.00/4.00**
Relevant Coursework: Introduction to Cryptography, Calculus III, Calculus II, Linear Algebra, Discrete Mathematics

SUNCOAST HIGH SCHOOL   **Riviera Beach, FL**
August 2014 – May 2018   HPA: **5.35/4.00**
Math Science and Engineering Program – International Baccalaureate Diploma Programme

EXPERIENCE

NORTHROP GRUMMAN MISSION SYSTEMS   **Washington, D.C.**
Machine Learning Intern   *May 2019 – Sep 2019*
- Designed and implemented **key ML algorithms** to intercept and analyze signals intelligence.
- Developed a **streaming** and **scaling** framework for algorithm training and model **deployment** in a Linux cluster.
- Presented **system** and **algorithmic architecture** to customers and led a **trade study** for ML implementation.

MIT CONSULTING GROUP   **Cambridge, MA**
Case Team Lead & Activities Director   *Sep 2018 – present*
- Consulted for three technology companies in the software, IT, and education sectors.
- Created a **decision model**, and instigated a **market study** on, open and closed source business models.
- Interviewed **industry leaders** and drafted a SAAS **price model** for a **$33B** company's new service.
- Created a **price model** and **go-to-market strategy** for an innovative adaptive learning platform.

COMPUTATIOAL REACTOR PHYSICS GROUP   **Cambridge, MA**
Software Engineer   *Jan 2019 – Sep 2019*
- Helped create analytical methods to solve **the Neutron Transport Equation** for arbitrary reactor geometries.
- Developed integration and unit tests for all newly implemented features to increase test suite coverage.

MIT GLOBAL TEACHING LAB FRANCE   **Grenoble, FR**
Physics & Computer Science Professor   *Jan 2020 – Feb 2020*
- Planned and taught classes on python, relativity, wave dynamics, and lens-free microscopy in French to college students.
- Led lab sessions on lens-free microscopy to high schoolers. Wrote python code for the lens-free system using a raspberry pi.

LEADERSHIP

MIT CLASS COUNCIL   **Cambridge, MA**
Treasurer   *Oct 2018 - present*
- Drafted and maintained a **$20k** budget, financing events, overseeing compensations and the distribution of funds.
- Organized and reserved a movie theater for a class outing, and planned a class get together.

STUDENT GOVERNMENT ASSOCIATION   **Riviera Beach, FL**
Student Body President   *Sep 2015 – Jun 2018*
- Designed and coordinated an official schoolwide walkout as a part of the National Walk for Our Lives movement. Organized news coverage, voting registration, and keynote speakers for over **2000 students**.
- Planned and executed Suncoast High School's 2018 Homecoming for **700 students**. Managed a fund of over **$40k** and distributed it among venues, catering, security, and other personnel – while turning a profit.
- Organized and led Suncoast's SGA summer retreat; located at Florida Atlantic University and spanning a weekend.

Languages: Python, SQL, C#, JavaScript, CSS, HTML, Java, Mathematica, Bash | English, Spanish, French
Technologies: Numpy, TensorFlow, Keras, SK-learn, Unity, P5.js, Git, Docker, MySQL, Kafka, Maven, MXNet