

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Expected Graduation Date: June 2022

Candidate for Bachelor of Science in Computer Science and Physics with a minor in Economics

Cambridge, MA

GPA: **4.80/5.00**

Relevant Coursework: Design and Analysis of Algorithms, Software Construction, Intro to Computational Thinking and Data Science, Entrepreneurship and the Law, Intro to Machine Learning, Intro to Probability, Relativity

SUNCOAST HIGH SCHOOL

June 2015 – May 2018

Math Science and Engineering Program – International Baccalaureate Diploma Program

Riviera Beach, FL

HPA: **5.35/4.00**

EXPERIENCE

GOOGLE, INC.

STEP Intern

Virtual

Jun 2020 - Present

- Envisioned and developed *Backstory*, a **full-stack image recognition** and **text generation** web application leveraging Google Cloud, App Engine, Vision API, Perspective API, Datastore, Blobstore, and GPT2.
- Created a **Design Document** and a **Product Requirements Document**, organized meetings and issue tracking, and set up testing and documentation style guides within a pod of 3 interns.

MIT CONSULTING GROUP

Case Team Leader and Activities Director

Cambridge, MA

Sep 2018 - Present

- Managed a **team of 6 consultants** for a **fortune 500 company**, considering an emerging technology in the industrial IOT market. Our market models and business strategy alerted management to a potential **multi-billion dollar segment** growing in the market.
- Consulted on **four cases**. Interviewed industry leaders, drafted price models and go-to-market strategies, segmented markets and competitors, and created strategic business plans.

MIT GLOBAL TEACHING LAB FRANCE

Physics & Computer Science Professor

Grenoble, Isère

Jan 2020 - Feb 2020

- Led physics and computer science lectures and lens-free microscopy lab sessions **in French** to préparatoire students. Students had a **100% pass rate** on the BAC S (French national standardized science exam).

NORTHROP GRUMMAN MISSION SYSTEMS

Machine Learning Intern

Washington, DC

May 2019 - Sep 2019

- Designed, developed, and presented to stakeholders a **machine learning data pipeline** for a larger prototype signal analysis suite, the presentation of which led to a **multi-hundred million dollar** government contract.
- Led a trade study and brown bag sessions for the **team** on ML implementation and fundamentals.

MIT CLASS COUNCIL

Treasurer

Cambridge, MA

Oct 2018 - Oct 2019

- Drafted a **\$20k budget** and oversaw spending for multiple events servicing **hundreds of students**.
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SKILLS: Google App Engine, Full-Stack Dev, Maven, Docker, Git, JUnit, Mockito, Vision API, Perspective API, Users API, Maps API, Blobstore, Datastore, TensorFlow, Keras, GPT2, SK-learn, Unity, P5.js, MySQL, Bootstrap, Agile.

LANGUAGES: Java, Python, HTML, CSS, JavaScript, C, C#, SQL, Mathematica. **Trilingual:** Spanish, French, English.