

THOMAS CINTRA

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Education

Harvey Mudd College, Claremont, CA _____ May 2022

BS in Mathematics

GPA: 3.794 (High Honors)

Relevant Coursework: Intro to CS (Python), Principles of CS (Racket/Java), Discrete Math, Multivariable Calculus, Linear Algebra and DEs

St. Francis College, São Paulo, Brazil _____ June 2018

IB Diploma (high school)

IB Score: 41 of 45 - Higher Levels: Math, English, Physics (776, out of 7)

Leadership Positions: Student Body President, Secretary General MUN delegation

School Projects

5C Hackathon Organizational Team _____ Fall 2019 + Spring 2020

Developing prompts for the Claremont Colleges' 2020 Hackathon. Also, managing relationships with our Platinum sponsor, Proofpoint, to co-develop our global theme.

Claremont CoLab Project Manager _____ Spring 2020

Working on a partnership with Hack For LA to establish biweekly hack nights to encourage work on civic tech and entrepreneurial projects in the Claremont area.

Journey to Space - Structures and Aerodynamics team _____ Fall 2019

Our ambitious goal is to design, analyze, manufacture and launch a rocket that will reach the edge of space within one academic year. My role was, among other responsibilities, to help build and adapt a predictive model for the trajectory of the rocket to determine optimal thrust curve and mass using MatLab and RockSim softwares. **URL:** <https://sites.google.com/g.hmc.edu/mars>

Work Experience

Grader/Tutor at Harvey Mudd College _____ Fall 2019 + Spring 2020

Working as a Grader for the Physics, Computer Science, and Mathematics department. Working as a weekly tutor for the Physics department for PHYS24.

Fall: CS5 - Intro. to Computer Science, PHYS23 - Special Relativity

Spring: PHYS24 - Mechanics, MATH73 - Linear Algebra

Research Fellow, Harvey Mudd College CS Department _____ Summer 2019

Research and development of machine learning coursework for CS181R - Data Science and Ethics. Created assignments and projects, including an introduction to relevant Python modules, building an ML model and understanding how various performance metrics assess discrimination / bias of self-learning algorithms.

Gained experience with: [sklearn](#), [Pandas](#), [Seaborn](#), [Numpy](#), and [Scipy](#)

Incoming STEP Intern at Google _____ Summer 2020

Interning for 12 weeks at Google's EngProd team in their Mountain View office from May 18th to August 7th.

Skills

Coding: Python (proficient) / Java, and Git (experienced) / swift 4 (basic)

Languages: English & Portuguese (fluent) / Spanish (conversational)