

MARÍA PAULA MORA

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EDUCATION

Dartmouth College, Hanover, NH

Expected: Jun 2022

Bachelor of Arts, Major: Computer Science Modified with Digital Arts, *Minor:* Psychology

GPA 3.94/4.0

Relevant Coursework: Software Design & Implementation*, Foundations of Applied Computer Science*, Artificial Intelligence,

Object-Oriented Programming*, Game Design Studio, Computer Animation, 3-D Digital Modeling*, Human-Computer Interactions

Honors: Rufus Choate Scholar (top 5% of the class), 6 Citations for Academic Excellence *

SKILLS

- Computer Languages: Python, Java, C, C++, C#, Bash/Unix Shell, SQL, JavaScript, HTML, and CSS
- Other Technical Strengths: Autodesk Maya, 3-D Digital Modeling, MNE analysis, Machine Learning, Virtual Reality, Unity 3-D, UI/UX design, Figma, Git, Twine, Linux, and SugarCube
- Languages: Spanish (Fluent), English (Fluent), and French (Proficient)

SELECTED PROJECTS

Tiny Search Engine, C

Apr 2020 – May 2020

- Built a command-line search capable of crawling webpages, parsing web content, and responding to user's UI queries
- Returns a list of page matches ranked with respect to frequency of occurrences

Sudoku, C

May 2020 – Jun 2020

- Built a module capable of creating unique sudoku boards and solving them using an efficient recursive algorithm
- Collaborated using Git and Slack with four peers to implement and design this project
- Created a graphical interface to showcase and solve different difficulty levels including a Samurai Sudoku

Part of Speech Tagger, Java

Oct 2019 – Nov 2019

- Used a Hidden Markov Model and Viterbi Algorithm to label each word from a file or user input with its part of speech
- Tested on a file with 10,000 words and had a 97% accuracy rate

Portfolio Personal Website, HTML, CSS, and JavaScript

Aug 2020

- Coded my own personal website showcasing both my art portfolio and my coding samples (mariamora.me)

WORK EXPERIENCE

Facebook Inc., Menlo Park, CA

Incoming Summer Software Engineer Intern

Jun 14, 20201 - Sep 3, 2021

- Will be working building new features that improve existing products at Facebook
- Will help drive the development of systems behind products, create web applications, and build high volume servers

Dartmouth College - Computer Science Department, Hanover, NH

James O. Freedman Presidential Scholar Research Assistant

Sep 14, 2020 - Mar 31, 2020

- Will be working in the computer science lab creating machine-learning algorithms that train classifiers
- Classifying unknown microstructures in order to be able to make predictions about the environment

SILVR Project Research Assistant (Facebook Funded)

Jan 10, 20201 - Mar 31, 2021

- Helped create digital models for an interactive AR/VR world where people can gather and talk

Teaching Assistant for Digital Animation, 3-D Digital Modeling, Intro to Computer Programming

Mar 2020 - Nov 2020

- Lead weekly sections of 5 students to review python concepts, assist in debugging, and solve any Autodesk Maya issues
- Grade projects and exams for 55+ students and provide personalized feedback on code functionality and style

Dartmouth College – Psychology Department, Hanover, NH

Sep 2019 - Sep 2020

Sophomore Scholars Research Assistant

- Coded in C# and designed in *Unity3D* to study the effects of a VR stimulus on the human brain using an fMRI scan
- Processed 300 data sets from EEG studies using *MATLAB* and analyzing said data to apply them to Machine Learning

Compartamos la Mesa, San José, Costa Rica

Co-Founder of Campaign

Apr 2016 - Present

- The campaign seeks to construct a viable non-profit route where businesses can donate food without fear of a lawsuit
- Introduced a bill to Costa Rican Congress that seeks to reduce the liabilities of food donation
- Gathered the endorsement of over 10 congressmen including the country's vice president at the time, Ana Helena Chacón

ADDITIONAL INFORMATION

- Achievements/Leadership: 2021 Code 2040 Fellows Finalist, Housewoman for Sigma Delta, Treasurer of LASA
- Activities: Coder Dojo, Women in Computer Science, Templating & Layout at The Dartmouth, Rewriting the Code Member
- Interest: Painting, Drawing, Skiing, Travel, Baking, Digital Design, Animation, Reading