# Jacob A. Frausto

jacob_frausto@brown.edu | (801) 696-7002 | LinkedIn | GitHub | Website

## EDUCATION

**BROWN UNIVERSITY**                                                                                               **PROVIDENCE, RI**
*Sc. B. Computer Science, GPA: 3.74/4.0*                                                                              May 2023

**Relevant Coursework:** *Computer Vision, Deep Learning, Software Engineering, Object-Oriented Programming, Algorithms and Data Structures, Discrete Structures and Probability, Machine Learning, The Engineer's Burden, Technology and Society*
**Technical Skills:** Proficient – Java, Python, JavaScript, Swift; Basic – HTML/CSS, C#, C, React, TensorFlow, Beautiful Soup

## EXPERIENCE

**SAMSARA**                                                                                                        **San Francisco, CA**
*Software Engineer Intern*                                                                                  May 2022 – August 2022

**PROVIDENCE PUBLIC LIBRARY**                                                                                       **Providence, RI**
*Technology Education Assistant, Bonner Fellow*                                                       September 2019 – Present
- Educated 20 individuals on career development and digital literacy skills for "Pivot the Hustle" spring course.
- Taught 26 individuals how to use Excel and other data analysis tools for "Data Analytics" fall course.

**AMAZON**                                                                                                          **New York, NY**
*Software Development Engineer Intern (AWS)*                                                              June 2021 – August 2021
- Designed and deployed a service in Java to collect and aggregate metrics on the performance of SAT/SMT solvers.
- Utilized AWS microservices to construct cloud-based pipelines and infrastructure.
- Presented implementation to 50+ engineers/scientists in the Automated Reasoning Group (ARG) organization.

**BROWN UNIVERSITY**                                                                                               **Providence, RI**
*Undergraduate Teaching Assistant*                                                                September 2020 – December 2020
- Assisted professor to re-design projects, manage coursework, and grade assignments for 300+ students.
- Held 4 hours of office hours weekly to help students understand technical and conceptual components of the course.

**ID TECH CAMPS**                                                                                                  **Campbell, CA**
*Online Instructor*                                                                                        May 2020 – August 2020
- Instructed 70+ students ages 7-18 on Python, Java, Scratch, Minecraft, and General Game Design.
- Delivered high-quality remote instruction through individualized and project-based curricula for 7 different courses.

## PROJECTS

**CelebrityJumble,** *Personal*                                                                                       July 2020
- Twitter bot that scrambles the thoughts of popular celebrities and automatically tweets them on @CelebrityJumble 7 times per day.
- Implemented in Python; utilizes Tweepy, the Twitter API, and OAuth to collect and reproduce tweets.

**Weather Scraper,** *Personal*                                                                                       July 2020
- Fetches the current temperature and relevant weather statistics of any US city.
- Scrapes data with GeoPy web services; parses information through Beautiful Soup.

**autoTagger,** *Signs.com*                                                                                  March 2020 – June 2020
- Functional Python program that automates and expedites the tagging process for my part-time work.
- Integrates Selenium WebDriver APIs to optimize agent tagging with a 25-33% reduction in process duration.

**MindMap,** *Y-Hack 2019 at Yale University*                                                                       October 2019
- Web application that creates condensed word-map diagrams by transcribing video lectures.
- Utilizes Google Cloud's Speech-to-Text API (through both Python and Java) to extract essential info from uploaded video lectures.

## LEADERSHIP

**MANAGEMENT LEADERSHIP FOR TOMORROW (MLT)**                                                                      **Washington, DC**
*Career Preparation Fellow*                                                                            February 2021 – Present
- Selected as one of 480 for an 18-month professional development program for high-achieving diverse talent.
- Complete business case studies and intensive assignments to hone analytical, quantitative and communication skills.

**BROWN ENTREPRENEURSHIP PROGRAM**                                                                                 **Providence, RI**
*Tech Team Member*                                                                                       October 2020 – Present
- Led a three-part webinar series on web development for startup ventures.
- Perform regular technical upkeep for the entrepreneurship community at Brown.

**THE BONNER COMMUNITY FELLOWSHIP**                                                                                **Providence, RI**
*Bonner Fellow*                                                                                           August 2019 – Present
- Served as a member of a cohort that aims to combine student community engagement with academic and career goals.
- Selected to partner with Providence Public Library in order to deliver technological skills to a total of 450+ adult students.

**HACK@BROWN**                                                                                                     **Providence, RI**
*Publicity & Outreach Team Member*                                                                   October 2019 – January 2021
- Established relationships with campus organizations and departments at Brown and 150+ other universities.
- Managed content creation and social media campaigns for 2,000+ followers on Twitter and Instagram.

## OTHER SKILLS & INTERESTS

**Language:** Native Fluency in Spanish, Professional Proficiency in French.

**Interests:** Ukulele, Bowling, Hiking/Camping, Soccer, Painting, Reading, Education, Entrepreneurship