Jacob A. Frausto

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

EDUCATION

BROWN UNIVERSITY   **PROVIDENCE, RI**
Sc. B. Computer Science, GPA: 3.73/4.0   May 2023

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

EXPERIENCE

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.

PROVIDENCE PUBLIC LIBRARY   **Providence, RI**
Technology Education Assistant, Bonner Fellow   September 2019 – Present
- Contributed through feedback as an observational member of the Technology/Education department.
- 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.

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.
- Collaborated with staff leads and other student instructors by reflecting on and revising course content/strategies.

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