**Jacob A. Frausto**

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**EDUCATION**

**BROWN UNIVERSITYPROVIDENCE, RI**

*Sc. B. Computer Science, GPA: 3.73/4.0* May 2023

**Relevant Coursework:** *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