Jeanmarcos Perez

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EDUCATION

Dartmouth College - *Cumulative GPA: 3.88*   Hanover, New Hampshire
Major: Bachelor of Arts, Computer Science   June 2024
Minor: Hispanic Studies
Honors/Awards: QuestBridge National Scholar, College Honor List x3
Relevant Coursework: Calculus of One and Several Variables, Foundations of Applied Computer Science, Object Oriented Programming, Software Design and Implementation, Database Systems, Machine Learning and Statistical Analysis

Universidad de Barcelona   Barcelona, Spain
Language Study Abroad focused on Spanish literature, culture, and history   March 2022 – May 2022

Universidad Torcuato Di Tella   Buenos Aires, Argentina
Foreign Study Program focused on Argentine literature, culture, and history   March 2023 – June 2023

EXPERIENCE

Amazon   Boston, Massachusetts
Software Development Engineer Intern   June 2023 – September 2023
- Developed and implemented an automated Alexa integration test suite using Internal Alexa Test SDK to emulate Alexa requests, covering various Voice User Interface (VUI) utterances and scenarios.
- Integrated the created test suite into the team's pipeline using the Hydra Test platform, contributing to the transformation of the pipeline into a fully automated CI/CD process, ensuring efficient and reliable software releases.
- Practiced agile software development by participating in daily sprints and stand-ups and organized my work with supporting tools like Git, CRUX for code reviews, and Jira for project tracking.

Mavis Tires & Brakes   Millwood, New York
UI/UX Design Intern   January 2023 – March 2023
- Redesigned 10+ internal admin tools, employing principles of human-centered design to enhance usability and accessibility.
- Conducted Figma training sessions for 10+ team members, improving their design collaboration and proficiency.
- Designed multiple website pages adhering to new brand guidelines, with several pages successfully launched into production.

Dartmouth College, First Generation Office   Hanover, New Hampshire
Strategic Planning Student Director   September 2021 – Present
- Collected and maintained financial and academic resources for over 300 first-generation students.
- Planned and organized student workshops and tutoring services for upwards of 100 students.

Dartmouth College, Department of Computer Science   Hanover, New Hampshire
Teaching Assistant, COSC 21: Foundations of Digital Design   June 2021 – August 2021
- Guided over 25 students through Adobe Photoshop during class and weekly office hours.
- Graded student projects based on a set of technical and aesthetic criteria.

PROJECTS

Tiny Search Engine
- Developed a web crawling program to retrieve and store webpages recursively from a seed URL, an indexing system to manage web document indices, and a querying module to handle search queries.
- Coded primarily in C and Bash, employed Valgrind for memory leak detection, and GDB for debugging.

Part-of-Speech Tagger
- Designed a program utilizing a hidden Markov model and the Viterbi algorithm to accurately assign parts of speech to words.
- Achieved with dictionaries and binary trees, and trained the algorithm using extensive data sets of up to one million words.

OTHER SKILLS & INTERESTS

Technical: Python, Java, Kotlin, C, JavaScript, HTML, CSS, React, Git, Adobe Suite (Photoshop, Illustrator, Lightroom), Figma, Autodesk Maya, SQL, MongoDB**,** Microsoft Applications (Excel, Word, PowerPoint & Outlook), Google Workspace
Languages: English (native), Spanish (native)
Interests: Backend Development, Frontend Development, UI/UX