

# Jeanmarcos Perez

Miami Beach, FL • [jeanmarcosperez2002@gmail.com](mailto:jeanmarcosperez2002@gmail.com) • 786-612-7620 • [LinkedIn](#) • [Portfolio](#)

## EDUCATION

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### Dartmouth College

Major: Bachelor of Arts, Computer Science  
Minor: Hispanic Studies

Hanover, New Hampshire  
September 2020 – June 2024

**Honors/Awards:** Magna Cum Laude (GPA 3.9), College Honor List (2020-2024), QuestBridge National Scholar

**Relevant Coursework:** Multivariable Calculus, Object Oriented Programming, Software Design and Implementation, Database Systems, Machine Learning and Statistical Analysis, Computer Graphics, Computational Photography, Full Stack Web Development

### Universidad de Barcelona

Language Study Abroad focused on Spanish literature, culture, and history

Barcelona, Spain  
March 2022 – May 2022

### Universidad Torcuato Di Tella

Foreign Study Program focused on Argentine literature, culture, and history

Buenos Aires, Argentina  
March 2023 – June 2023

## EXPERIENCE

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### Amazon

*Software Development Engineer Intern*

Boston, Massachusetts  
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

*UI/UX Design Intern*

Millwood, New York  
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

*Strategic Planning Student Director*

Hanover, New Hampshire  
September 2021 – June 2024

- 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

*Teaching Assistant, COSC 21: Foundations of Digital Design*

Hanover, New Hampshire  
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

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### Tiny Search Engine | [Github](#)

- 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 | [Github](#)

- 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

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**Technical:** Python, Java, Kotlin, C, JavaScript, HTML, CSS, React, React Native, Git, Adobe Suite (Photoshop, Illustrator, Lightroom), Figma, Autodesk Maya, SQL, MongoDB, Microsoft Office (Excel, Word, PowerPoint, Outlook), Google Workspace

**Languages:** English (native), Spanish (native)

**Interests:** Backend Development, Frontend Development, UI/UX