Juan Pablo Urista

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EDUCATION

Aug 2021 — May 2025

B.S. in Information Systems, Carnegie Mellon University
Pittsburgh, PA

Dean's List 2023 | Minors in Computer Science & Human-Computer Interaction

Data Structures and Algorithms Courses:

- Fundamental of Programming & Computer Science, Introduction to Data Structures, Principles of Imperative Computation, Practical Data Science

Software Development Courses:

- Database Design & Development, Application Design & Development, Mobile Web Design & Development, Foundations of Software Engineering, Designing Human-Centered Software

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EXPERIENCE

Aug 2023 — Present

Course Assistant, Carnegie Mellon University
Pittsburgh, PA

- Assisted with the Mobile Web Design & Development course
- Conducted weekly office hours and Graded weekly assignments, ensuring constructive feedback.
- Guided two student teams in executing web development projects for local organizations.

Jun 2023 — Aug 2023

Software Engineer Intern, Capital One
McLean, VA

- Contributed to a customer-facing API integral to the Retail Bank LOB that serves entire customer base.
- Developed and implemented a metrics comparison strategy for API versions.
- Enhanced test coverage to minimize security vulnerabilities.

May 2022 — Aug 2022

Research Assistant, Carnegie Mellon University
Pittsburgh, PA

- Translated Python curriculum for Carnegie Mellon CS Academy
- Conducted bilingual Python professional development sessions, engaging 30-50 educators per session.
- Delivered targeted tutorials and code reviews for teachers and managed breakout room interactions.

PROJECTS

Feb 2024

MoodMarket
Hackathon

Created a stock analysis web application utilizing Flask and Bootstrap, designed to search for stocks and generate ratings based on public sentiment analysis.

Oct 2023 — Dec 2024

TuneTracker
Individual Project

Designed a concert tracking web application using JavaScript, Express.js, and Bootstrap, integrating the Spotify API to enable users to monitor their concert attendance and frequently played Spotify tracks.

ACTIVITIES

Sep 2021 — Present

Member, Society of Hispanic Professional Engineers
Carnegie Mellon

Engaged with peers and professionals dedicated to promoting STEM education in the Hispanic community.

Sep 2021 — May 2022

Youth Mentor, MoneyThink
Carnegie Mellon

Taught weekly educational sessions for middle and high school students, covering financial literacy, college admissions, and alternative post-high school pathways

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SKILLS

Programming & Scripting: Python, Java, C, JavaScript, jQuery

Web Dev: Ruby on Rails, Flask, HTML, CSS/Bootstrap, Express, RESTful APIs

Data: SQL, MongoDB, Pandas, EDA, Supervised Learning

Tools: Postman, JMeter, Figma, Adobe Photoshop

WEBSITES

linkedin.com/in/juanpablou | github.com/jpurista | juanpablou.com