

Alberto Pabón-Castejón

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EDUCATION

University of Illinois at Urbana-Champaign Bachelor of Science in Computer Science	August 2023 - May 2027
Notre Dame High School High School Diploma, GPA: 3.91 / 4.00	August 2019 – May 2023
Polytechnic University of Puerto Rico , Design for Electrical Engineering	November 2021 – February 2022

RELEVANT CERTIFICATES

Georgia Tech edX , Introductory Linear Algebra Professional Certificate	March 2023- May 2023
Harvard University edX , Introduction to Computer Science (CS50)	January – April 2021

SKILLS

- **Programming Languages:** Java, Python, Kotlin, C++, MySQL, JavaScript, HTML, and CSS
- **Frameworks / Tools:** Git, Figma, Tkinter
- **Spoken Languages:** Bilingual in English and Spanish, with a beginner's level in French.

RELEVANT EXPERIENCE

Robotic Process Automation (RPA) Apprentice	San Juan, Puerto Rico
<i>Banco Popular de Puerto Rico</i>	October 2022 – May 2023

- Obtained understanding of essential software development standards and best practices.
- Learned to optimize business processes under a mentor using robotics process automation.

Ambassador Program	San Francisco, CA
<i>Inspirit AI</i>	May 2023

- Attended speaker meetings with artificial intelligence (AI) professionals and students.
- Reached out to club and classmates at my school about AI.

Summer Intensive in Artificial Intelligence	July 2021
• Collaborated in implementing sentiment analysis of tweets using the Python machine learning library scikit-learn.	

Summer High School Academic Program for Engineers (SHAPE)	New York, NY
<i>Columbia University - Advanced Computer Science Summer Program</i>	August 2022

- Completed a college-level algorithms course using Python programming language and a biomedical engineering elective.
- Developed projects involving topics such as data structures and machine learning.

PROJECTS

Othello / Reversi Game Python, Tkinter, Git	New York, NY
• Collaborated on AI game with adversarial search, including mini-max algorithms and alpha-beta pruning.	August 2022

- Implemented different setting configurations for situations when speed or accuracy is prioritized.
- Generated test-cases to evaluate code functionality under different stress levels of the program.
- Presented at the SHAPE Symposium located in Columbia University.

LEADERSHIP & ACTIVITIES

Illini Electric Motorsports	Champaign, IL
<i>Software Developer</i>	August 2023 – Present

- Integrated new protocols to existing code on Battery Management System (BMS) viewer to account for changes in hardware.
- Assessed and given feedback on current codebase regarding transition with hardware.

Society of Hispanic Professional Engineers (SHPE)	Champaign, IL
<i>New Member Roundtable (RT) External Vice President</i>	August 2023 - Present

- Maintain contact and coordinate with **16** corporate sponsors to support professional development of over **150** students.
- Identified strategies to improve marketing and member engagement for professional development events.
- Organized and executed annual RT social event to foster relationship with new and returning members.

SHPE Jr.	Caguas, Puerto Rico
<i>President</i>	August 2020 – May 2023

- Established high school as an official chapter of SHPE in 2022 and coordinated conferences with professors and engineers.
- Led team to second place in a local competition building a boat using recycled materials.
- Increased membership and active participation, with over **30** new members recruited in 2022.

Open-Source at Illinois	Champaign, IL
<i>Underclassman Representative</i>	July 2023 – Present

- Boosted organization interest and recruited over **50** new members through large-scale recruitment events for students.
- Created presentations to increase member awareness of open-source projects through the organization.