

Pablo Garces

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Education

University Of North Carolina At Charlotte

Bachelor of Science, Computer Science with a concentration in Software Engineering,

GPA: 4.0

Early Entry Program: Pursuing graduate coursework in Computer Science alongside undergraduate studies.

Charlotte, NC

Expected in December 2025

Central Piedmont Community College

Associate of Arts, Computer Science,

GPA: 4.0

Charlotte, NC

December 2023

Experience

University Of North Carolina At Charlotte

Undergraduate Instructional Assistant for ITSC 2181- Intro to Computer Systems

Charlotte, NC

August 2024 - Present

- Supported a class of 90 students in mastering C programming and Assembly language concepts, resulting in improved student performance and understanding.
- Led lab sessions independently, offering hands-on guidance with coding exercises and system architecture, which enhanced students' practical coding skills and confidence.
- Provided targeted assignment feedback and held office hours to resolve course-related inquiries, leading to increased student satisfaction and academic success.

Galapagos National Park

Software Engineer Area Volunteer

Galapagos Islands, Ecuador

June 2024 – July 2024

- Adapted a Flutter mobile application used for data recollection in all the Galapagos Islands for optimal functionality on smaller devices and iOS devices, previously limited to Android tablet use. Optimized 8 modules and 43 submodules for better performance and responsiveness.
- Upgraded the application to the latest version of Flutter and rewrote deprecated code, leading to improved functionality and ensuring long-term maintainability.
- Conducted thorough testing focusing on the new billing system for Baltra airport, ensuring proper integration and operation of document readers.

Central Piedmont Community College

Peer Mentor

Charlotte, NC

August 2023 – December 2023

- Facilitated individualized Pre-Calculus Algebra tutoring by customizing learning plans and using targeted questions, which improved mentees' understanding
- Established trusting relationships with mentees by maintaining professionalism and honoring confidentiality.
- Supported peers through one-on-one sessions, determining aspirations, setting goals, and working through challenges.

Projects

Stability Calculation App

Personal Project

Galapagos Islands, Ecuador

May 2023 – July 2023

- Created a Java app for ship stability calculations, leveraging database data to expedite and improve accuracy.
- Streamlined maritime operations with a Java Swing user-friendly interface, benefiting my father's work on a ship.
- Employed OOP principles and integrated Maven and Apache POI for a robust, maintainable codebase, enabling the creation of detailed Excel reports with all pertinent information.

Expense Tracker App

Personal Project

Charlotte, NC

August 2024 – December 2024

- Built a JavaFX app to track and analyze personal and general expenses with an intuitive interface.
- Added undo/redo functionality and frequency analysis to enhance usability and insights.
- Enabled seamless financial management with .txt file imports and categorized reporting.

Skills

Software: (Proficient) JAVA, Git, SQL, JavaScript, CSS, HTML |(Competent) C, C++, Assembly, Java Swing, JavaFX, Python | (Basic) React JS, Node JS, MongoDB, Linux, Dart, Java Spring Boot, Java Android Studio|

Fluent in: English and Spanish.

Extracurricular Activities

Latin Americans Working for Achievement

Volunteer

Charlotte, NC

August 2022 – Present

- Assisted with special events and programs, including fundraising events and informative talks, to promote and explain LAWA's mission and activities.

Accomplishments, Honors, and Awards

SIM Charlotte 49Next Bridge Program Scholar

May 2024

University of North Carolina at Charlotte Chancellor's List

Fall 2024

Central Piedmont Community College Honors Program Scholar

August 2023

The Levine Scholar

August 2022

- Awarded to deserving students at Central Piedmont who have excelled academically.

Latin Americans Working for Achievement Scholar

May 2022

- Awarded to high achieving and impactful Latino students in the Charlotte-Mecklenburg Area (NC).