

Juan Esteban Peñuela G.

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EDUCATION

University of Central Florida, Orlando FL
Accelerated B.S to M.S in **Computer Science**
Palm Beach State College, Lake Worth FL

Expected: 05/2025
Cumulative GPA: 3.5
05/2022

Associate in arts – Computer Science

Relevant Coursework: Advanced Data Structures and Algorithms (C and Java), Artificial Intelligence (Python), Computer Logic and Organization, Systems Software.

SKILLS

Programming Languages

- **Java:** Proficient in Java with strong foundations of Object-Oriented Programming, mastered through university coursework and personal projects.
- **C:** Proficient in C programming advanced applications involving data structures, algorithms, virtual machines, and more.
- **Python:** Familiarity with python with a focus on AI and Machine Learning development.
- **JavaScript:** Familiarity with JavaScript for Web Development and interactive user experiences.

Artificial intelligence

- Actively pursuing AI related coursework and personal projects, including theory of machine learning and AI algorithms.
- Successfully completed personal AI projects, including image classification, speech recognition, and text recognition.
- Self-study to complement learning, exploring AI concepts and libraries such as TensorFlow and PyTorch.

Web Development

- Independently designed developed, and deployed a personal portfolio website using HTML, CSS, and JavaScript, hosted on GitHub for public access.
- Actively pursuing self-directed learning in web development through online resources for the development of websites and Progressive Web Applications.
- Implemented basic database functionality using Firebase and MongoDB during hackathon projects for the development and deployment of Progressive Web Applications.

PROJECTS

Hackathon Project: Ticket and fix it Workflow Management System | Hack My City 2022

10/2022

- Developed a workflow management system using Node.js, JavaScript, Firebase, HTML, and CSS.
- Implemented a progressive web application that uses a database to store complaints from citizens in the form of a “ticket” and uploads it to the city during the Hackathon event “Hack My City.”
- Collaborated with the design of features such as a heatmap and upvotes for the tickets to improve the user experience.
- Utilized Firebase for real-time data management.

Python-Based Robot Project using Raspberry Pi

09/2022

- Developed a robot using Python and a Raspberry Pi, incorporating different elements of a Raspberry Pi such as Sense Hats, PiCamera, and DC motors amongst others.
- Controlled and monitored the robot remotely through a custom-made interface.

WORK EXPERIENCE

Part-Time ESL Tutor | Youth Co–Op Inc. (Remote)

08/2021 - Present

- Tutor high school students in English as a second language, and high school mathematics.

Student Assistant | Palm Beach State College.

08/2021 – 05/2022

- Assisted the office of Bachelor Programs at PBSC with the research of Artificial Intelligence and Computer Science
- Collaborated with faculty members and the Dean to develop new Bachelor programs at PBSC

AWARDS AND ORGANIZATIONS

- Knights of Distinction | University of Central Florida, Member
- Society of Hispanic Professional Engineers (SHPE) | University of Central Florida, Member
- President’s Honor List | Palm Beach State College