Javier Manuel Lopez

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💬 7155 SW 158th Path

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Education
- University of Florida
- **Major**: Computer Science
- **Minor**: Economics
- **Certificate**: Artificial Intelligence
- **ETA Graduation:** Dec. 2024
- **GPA: 4.0**

Skills
- C++, Java, Go, and JavaScript
- Understanding of PC Hardware
- Mathematics

Relevant Coursework
- Programming Fundamentals 1, 2
- Data Structures and Algorithms
- Programming Language Concepts
- Computer Organization
- Intro to Software Engineering
- Macro/Micro-economics
- Managerial Economics

Extracurricular Activities
- Theme Park Engineering and Design (Concept Designer)
- Japanese Animation Club (Social Media Manager)
- Eta Kappa Nu (HKN) (Member)
- Key Club (Vice President)
- Robotics (Programmer)

Awards & Honors
- Science Fair Honorable Mention
- Hoby Leadership Conference Representative
- National Honors Society Member

Languages
- English (Read, Write, Speak)
- Spanish (Read, Write, Speak)

Professional Links
- GitHub:
  github.com/JJRaderFTW
- LinkedIn:
  linkedin.com/in/javierlopezcs

Career Objective

Diligent professional with experience in application development and programming. I strive to drive humanity further and revolutionize the way we live our lives. Aiming to leverage my skills and work with technology to make a better tomorrow.

Technical Experience

ABB Digital Product Marketing Internship; Miami, FL (May 2023 – August 2023)
- Assessed, reviewed, and documented user experience and performance of new marketing website
- Created marketing campaigns and ads for the launch of new digital solutions
- Worked as part of a global team to perfect and launch a new US Digital Marketplace
- Learned global team collaboration by leading meetings and presenting weekly updates/findings

Vex Robotics Programmer and Designer; Miami, FL (Aug 2016- May 2020)
- Worked as assistant builder and recorded team's activities in sharable word document
- Designed and coded the robot's primary and autonomous features using Vex Code
- Won 5+ local competitions, Google Vex Robotics Invitational attendee, 2020 State Championship

National Honors Society Member; Miami, FL (Aug 2018 – Aug 2020)
- Tutored all materials (all grades)
- Over 400 hours of community service
- Learned peer-to-peer communication by making tailored lesson plans

FIU Agroecology Intern; Miami, FL (Jun 2019 – Jul 2019)
- Performed field work: bacteria cultivation, plant growth, soul diagnostics, and water treatment
- Studied students' thesis and experiments regarding environmental conservation efforts
- Learned about conducting and presenting research by making and pitching a studied topic

Project Management Experience

Ride Design Team: University of Florida; Gainesville, FL (Aug 2021 – Present)
- Work on sketching the layout and logistics of the ride vehicles and the physics of attractions
- Storyboarded themed attraction ideas by writing concepts in sharable documents
- Learned project design and scheduling by going through project conception plans

Key Club Vice President and Treasurer; Miami, FL (Aug 2019- May 2020)
- Led meetings, funding campaigns, and activities
- Chairman of Major Emphasis Project involving tutoring children in after-care
- Learned responsibility and leadership by leading tutoring events

Tae-Kwon-Doe Day Care; Miami, FL (Jun 2021 – Aug 2021)
- Instructed and counseled children ages 4-15 in martial arts (30 children)
- Cleaned and maintained activity rooms
- Learned soft skills (communication and patience) by guiding and working with children

Programming Projects

Image Pixel Analyzer: Created an algorithm that takes in an image and returns the 'n' most common colors (and their hexacodes) to the user in order of highest to lowest frequency {C++}

Pac-Man Algorithm Player: Made a set of logical instructions for a bot to follow to maximize the score of the game (Java)

Minesweeper: Remade the mechanism that dictate gameplay, win conditions, failure, and the tools used in the game Minesweeper (C++)

Programming Language Creation: Created a programming language by creating a nested lexer, parser, semantic analyzer, interpreter, and code generator (Java)

QuestList: Created the back end for a video game ranking website; utilized web-based databases and created private database to perform operations on a live server (Go)