# ERNESTO L. MOLINA PENA

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## OBJECTIVE

Computer Science recent graduate seeking a position with a respected company where I can contribute to building computer applications and integrating AI technologies. I am well-versed in a variety of web technologies and equipped with a diverse range of coding skills in multiple programming languages for AI solutions, application development, and data analysis tasks.

## EDUCATION

**Bachelor of Science in Computer Science**, University of South Florida – Tampa, FL                12/23
**Web Development Certificate,** Pinellas Technical College – Pinellas, Florida                08/17

**Relevant courses:** Natural Language Processing, Software Engineering, Data Structure, Object Oriented Design, Software Systems Development with C#, Secure Coding, Deep Learning Fundamentals, Intro to AI, Quantum Computing & Algorithms.

## SKILLS

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|---|---|
| Platforms: | Personal Computers and Linux Operating |
| Systems: | Windows 7/10 and Linux |
| Languages: | Python (Spyder & PyCharm), C++, C, App Development with C# |
| Databases: | MySQL (for WordPress) | SQLite (Django) | SQL |
| Programs: | Microsoft Office Certified (Word | Excel | PowerPoint), Git |

## RELEVANT PROJECTS

Fall 11/23

- Several projects related to Machine Learning concepts, which includes: Reddit's comments classifier, a robot cooker image state classifier, Invoice Extractor Generator, and a street sign image classifier using google Collab tools for NN training purposes.

Summer 6/21

- Developed a Review Paper Management System using the Django framework with different capabilities such as: Admin privileges, user's login and registration, profile creation, reporting with interactive graphs, matching papers submitted by authors with their respective reviewers, etc. Implemented using Python & SQLite (ongoing project)

Spring 4/21

- Developed an Educational Application using C# that allows students to learn about different cities of the world, their respective countries and their populations. Implement different charts for displaying data.

Spring 7/19

- Developed a C++ Interactive Fiction interpreter to parse and tokenize an HTML file provided. It employs multi-level tokenization for nested tokens. Additionally, it has error-handling capabilities. This project applies the four basic concepts of OOP design.

## EXPERIENCE

**Calculus Math Tutor**                08/17 - Present
*Smart Tutoring Center* - Tampa, FL

- Apply progressive teaching principles and coaching for 6-people student groups and improve test scores by 14% in a three-month period
- Administer regular tests encompassing upcoming material, reinforce learning with feedback

**Forklift Operator**                06/15 – 01/17
*Averitt Express* - Tampa, FL

- Unloading and loading trailers while using RF scanners. Handling hazmat materials and toxic merchandise. Operate equipment in a time efficiency way following safety procedures.

## MEMBERSHIPS AND HONORS

- Member of IEEE Computer Society (USF Chapter) | Association of Competitive Programmers | AGEMA
- PMMI Scholarship Award