Alexander Garcia

📱 832-451-8420
✉ alexander.a.garcia94@gmail.com

KEYWORDS

Software Engineer	Early Career

OBJECTIVE

Dedicated and detail-oriented Computer Science graduate seeking an early career position in the technology field. Offering a strong foundation in programming, problem-solving, and a passion for learning new skills and strengthening existing skills.

EDUCATION

Bachelor of Science in Computer Science — GPA 3.60
Southern New Hampshire University — Sep 2023

TECHNICAL SKILLS

Languages:	C++, C#, Python
Frameworks:	Angular, Express, Nodejs
Tools:	TensorFlow, Git, JIRA, React, Godot
Other:	Bilingual Spanish

WORK EXPERIENCE

Autopilot Engineer   **Tesla**   Apr 2024 - Jul 2024

– Contributed to Tesla's Autopilot division, specifically on the groundbreaking Tesla-Bot project.
– Conducted comprehensive data collection to support project development.
– Engaged in troubleshooting activities to identify and resolve issues.
– Utilized in-house software solutions to optimize performance and address challenges.

Warehouse Associate   **Amazon**   Oct 2022 - Aug 2023

– Work as part of a team in a fulfillment center, specializing in packing singles and utilizing smart pack machines.
– Trained as a problem solver for smart pack kickout, ensuring efficient packaging processes using Amazon computerized systems.
– Demonstrated strong attention to detail in managing packing tasks and maintaining quality standards.
– Utilized problem solving skills to troubleshoot issues and contribute to smooth operations.

PROJECTS

Song Lyrics Generation Summer 2024

– Created a text generation model with TensorFlow to write song lyrics using a Kaggle dataset.

– Implemented an LSTM (Long Short-Term Memory) layer as a form of Recurrent Neural Network (RNN) for the model.

– Trained the model on diverse song lyrics to generate coherent and contextually relevant text.

– Performed hyperparameter tuning and model optimization to improve generation quality.

Clothing Article Recognition Spring 2024

– Implemented a Convolutional Neural Network (CNN) using TensorFlow to classify articles of clothing from the MNIST Fashion dataset.

– Designed the model architecture with 2 convolutional layers and 2 dense layers, utilizing max pooling for convolutional layers.

– Achieved 93% accuracy in recognizing different clothing items.

– Implemented data preprocessing and augmentation techniques to improve model robustness.

Flower Classification Summer 2024

– Utilized TensorFlow and transfer learning to retrain an existing model for flower classification.

– Applied transfer learning techniques to leverage pre-trained models for enhanced accuracy.

– Achieved 89% accuracy in classifying various flower species.

– Conducted thorough testing and validation to ensure model reliability.

Personal Website Fall 2023

– Designed and implemented a responsive front-end interface using React.

– Developed a robust back-end system with Node.js and MongoDB, enabling seamless data storage and retrieval for blog posts and associated media.

– Integrated user authentication to enhance security.

– URL: AlexGarcia.fun