

TYLER SEARLE

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🌐 <https://xperience007.github.io>

EDUCATION

University of Louisiana at Lafayette

Bachelor of Science in Computer Science
December 2024

Earned ULL Cypress scholarship, Superintendent scholarship, Ben and Claire Thibodeaux scholarship

SKILLS

- Python
- SQL
- Go
- C#
- Java
- Unity Engine
- PyTorch
- Machine Learning Concepts
- Critical Thinking
- Quick Learner
- Willing to Learn
- Hard Worker
- Teamwork

PROJECT EXPERIENCE

Redball Technology Project

Developed all core scripts using Go, incorporating WebSockets and RESTful API integration.

Video Game Senior Project

Used C# to create all necessary scripts like the player controller, enemy AI, and menus, while using Unity Engine as the game engine. Modeled custom player and enemy characters using Blender. Successfully completed and delivered a functional and finished video game within one semester, demonstrating effective time management and technical skills.

Pokémon Image Classifier Project

Built a convolutional neural network to classify images into 151 classes. Trained and tested my model and achieved an accuracy of 93%. Developed my model architecture and the training and testing pipeline using Python and PyTorch.

PROFESSIONAL EXPERIENCE

University of Louisiana at Lafayette-IRI AI Internship

AI Researcher/Implementer | June 2024 - August 2024

- Supervised by Dr. Sercan Aygun and Dr. Henry Chu
- Learned how to use different image segmentation models.
- Implemented different post-processing techniques on images (e.g., bounding boxes, borders, and conditional random fields).
- Developed a comprehensive script to generate segmented and bounding box images for each object in an image across multiple datasets.
- Designed and coded custom data loaders for diverse image datasets.
- Constructed original datasets to train different machine learning models.
- More information on the project at: <https://www.sercanaygun.com/tml-ec-lab>
*Under the Previous Programs & Students section.

Acadiana Serves

Front Desk Worker | May 2021 - Present

- Responsible for coordinating match times, team schedules and maintaining courts.
- Answering questions from customers about the facility, its programs and events.
- Processing daily court fees, merchandise and all other customer service needs.

HomeGoods

Sales Associate | January 2019 - December 2020

- Visual merchandising, assembled furniture and promotional materials, and maintained stock on sales floor.
- Provide customers with assistance.
- General cleaning of interior and exterior of the store when needed.

The Coffee Depot

Host, Cashier, Barista | January 2017 - January 2018

- Greeted guests promptly ensuring a welcoming first impression.
- Coordinated with staff to maintain smooth service flow.
- Operated POS systems accurately to process cash and credit payments.
- Worked efficiently in fast-paced environments while maintaining product quality.

References Available Upon Request