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EDUCATION

University of Louisiana at Lafayette

Lafayette, LA

Bachelor of Science in Computer Science

December 2024

- Dean's list for 5 semesters, President's list for 1 semester
- Grade point average of 3.61
- Earned ULL Cypress scholarship, Superintendent scholarship, Ben and Claire Thibodeaux scholarship

WORK HISTORY

University of Louisiana at Lafayette-IRI AI Internship

Lafayette, LA

AI Researcher/Implementer

June 2024 - August 2024

- **Supervised by Dr. Sercan Aygun and Dr. Henry Chu**
- Learned how to use different image segmentation models
- Created scripts that did different post-processing techniques on images like bounding boxes, borders around images, and conditional random fields for images
- Created a script that's able to take multiple datasets and create segmented and bounding box images for every instance of an object in each image
- Created multiple data loaders for different datasets
- Created our own 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

Lafayette, LA

May 2021 - Present

- Getting customers onto tennis courts if they want to play
- Keeping the courts clean for people to play
- Answering questions from customers about the facility and its programs and events
- Ringing people up at the cash register

HomeGoods

Sales Associate

Lafayette, LA

January 2019 - December 2020

- Helped customers with questions
- Stocking the sales floor with products
- Building furniture items like chairs and tables
- Picking up shopping carts in the parking lot
- Greeting people at the entrance of the store
- General cleaning of the store

The Coffee Depot

Host, Cashier, Barista

Scott, LA

January 2017 - January 2018

- Began as a host and advanced to cashier/barista
- Responsible for seating customers
- Wiped down tables and picked up plates and glasses
- Ringing up people at the cash register
- Serving food to customers
- Making different kinds of coffee
- General cleaning of the restaurant

SKILLS

Skills: Python, SQL, Go, C#, Java, Unity Engine, PyTorch, Machine Learning Concepts, Critical Thinking, Quick Learner, Teamwork.

PROJECTS

Redball Technology Project

- Worked with a software developer from Redball Technology to create a software for their company.
- Used Go to create all of the main scripts and created Websockets and implemented REST API.

Video Game Senior Project

- Worked with a partner to create a video game using knowledge from previous classes and our own creative thinking.
- Used C# to create all necessary scripts like the player controller, enemy AI, menus, etc.. Also used the Unity Engine as the game engine.
- Used Blender to create my own player and enemy models to use in the game.
- Created a functional and finished video game within the semester, managing our time effectively.

Pokémon Image Classifier Project

- Created a convolutional neural network for an image classifier that's able to classify images into 151 classes.
- Trained and tested my image classifier model and achieved an accuracy of 93%.
- Used Python to code my model and the training and testing scripts along with PyTorch.