**Gabriel Tomberlin**

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**EDUCATION**

**Georgia Southern University / Armstrong State University (merged)** *Graduated December 2018*

B.S. Computer Science

**Self-Study/Personal Courses**

*TensorFlow in Practice Specialization - Applied Machine Learning in Python - Deep Learning Specialization - Introduction to Machine Learning in Production - Kubernetes Deep Dive - SANS GIAC Cloud Security Essentials - Introduction to Containers and Docker - Udacity ML DevOps Engineer Nanodegree (ongoing)*

**TECHNICAL SKILLS**

**Languages:** **Python** (4+ years exp.), Golang/Go (working knowledge), SQL, C# (game development projects)

**Familiar Tools/Technology:** Git, GitLab, AWS, Datadog, Terraform, Kubernetes, Docker, Jira, Splunk, Unity, ML tools (Scikit-learn, NumPy, Pandas, TensorFlow)

**PERSONAL PROJECTS**

**Entry-Level ‘X’ (**[**Link to Project**](https://github.com/Gabriel0110/Entry-Level-X)**)**

* A Django web development project to aggregate entry-level jobs with the goal of making it easier for people to find jobs that are actually “entry-level” rather than digging through multiple job boards.

**‘NUT’ Cancer Pathology Classification (**[**Link to Project 1**](https://github.com/Gabriel0110/NUT-Carcinoma-Pathology-Classification) **|** [**Link to Project 2**](https://github.com/Gabriel0110/NMC-Classification-Streamlit)**)**

* ML image classification using Scikit-learn to detect NUT Midline Carcinoma in cancer pathology images. Project 2 is a variation using a pre-trained ResNet50 model with the last layer trained on my curated dataset and includes an accompanying Streamlit app [here](https://share.streamlit.io/gabriel0110/nmc-classification-streamlit/main).

**Live Detection with OpenCV and MediaPipe (**[**Link to Project**](https://github.com/Gabriel0110/Live-Detection-with-OpenCV-and-MediaPipe)**)**

* Live hand and face detection with OpenCV and Google’s MediaPipe framework, including a desktop GUI.

**Image Similarity (**[**Link to Project 1**](https://github.com/Gabriel0110/Image-Similarity) **|** [**Link to Project 2**](https://github.com/Gabriel0110/Image-Similarity-FastAPI)**)**

* A Streamlit app that lets you compare image similarity via different optional metrics depending on how you want to measure similarity. Play around with it [here](https://share.streamlit.io/gabriel0110/image-similarity/main). Project 2 is an API of it created with FastAPI.

**WORK EXPERIENCE**

**Federal Reserve Bank of Chicago |** Chicago, IL

Information Security Engineer *December 2018 - Present*

**Security Clearance:** ‘**Secret**’ Clearance (Tier 3/ANACI), Active | March 2021 - Present