CONOR GAGLIARDI

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Resume Objective

Seeking internships or research experience with Machine Learning applications pertaining to the following: Autonomous Systems, Computer Vision, Deep Learning, Robotics, Aerospace / UAS software, Cybernetics.

Employment

Professor Dennis Delgado (SPAS at RIT)
Studio Assistant   Oct. 2022 to Current

- Utilized Python and OpenCV for motion tracking and object detection in order to provide Professor Delgado with a medium to create Projects and Creative Exhibits related to the relation of Computer Vision and people of color.
- Created a Semi-autonomous system for applying different tracking techniques to input videos, and exporting results to video files for further effects.

Cellec Technologies
Computer Science Coop   Aug. 2021 to Dec. 2021

- Created a program to normalize complex data sets from lithium ion battery testing equipment using the Python libraries NumPy, Pandas, and Matplotlib allowing for the transformation of massive data outputs from several battery testing machines with different output file formats into a standardized, coherent, and presentable form.
- By employing products from the software I produced, the company was able to be successful in three distinct presentations for grants and to continue receiving funding for ongoing projects.
- In order to help the business' scalability choices, I also worked on investigating potential AWS implementations and created white papers on the subjects of database and machine learning integration.

Special Operations Command - Central Command Deployment
Director of Intelligence / Lead Intelligence Analyst   2020 to 2020

- Attached to SOCCENT and filled two roles;
  -Director of Intelligence for task force operations and activities in Central Asia and Egypt.
  -Lead analyst for intelligence related to Syria, Jordan, and Lebanon.
- In both roles, directly supported the Task Force Commander, US Embassy in Amman, and Special Operations Command - Central Command. Providing leadership with a timely and dependable source of intelligence analysis for the areas of my responsibility.
- Provided support to victims of the Beirut Port explosion in Lebanon.

Projects

EMG Controlled Drone using Simulation (Bio-Robotics Independent Project)

Autonomous Micro UAV System (Personal Project)

Experiment adding SMOTE to CNN Net Traffic Identifier (Machine Learning Project)

Fashion MNIST Classifier using Tensorflow CNN (Machine Learning Project)

OpenCV Motion Detector / Object Tracking (Personal Project)

Awards

Early College Career Academy: Early College High School IT Computer Networking Program - Maureen VanBuren Memorial Scholarship and Award   2017

Army Commendation Medal   2020

Activities

Participating in ICRA 2023 Autonomous Drone Racing Competition

RIT Robotics Club

RIT AI Club

RIT Division 1 League of Legends E-Sports Athlete

Education

Rochester Institute of Technology (NY) Computer Science   2017 to Current

SUNY ADIRONDACK - Early College Career Academy program (NY) Networking / Cyber-Security   2016 to 2017

Cochise College (AZ) - Intelligence Operations Studies   2019

U.S. Gov. Top Secret Clearance with SCI

Skills

PROGRAMMING

ROS
Machine Learning
OpenCV
TensorFlow
NumPy
Pandas
SKLearn
Python
SQL
Lisp
Java
C

PRESENTATION

Public Speaking
Business Presentation
Military Briefing
Mandarin Chinese

COURSES

Machine Learning
Artificial Intelligence
Computer Science Theory
Graph Theory
Analysis of Algorithms
Discrete Mathematics
Probability and Statistics
Linear Algebra
Database Management
Multi-variable Calculus
Concepts of Computer Systems
Software Engineering
Programming Language Concepts
Mechanics of C Programming
Network Security
Project Based Calculus