

# Joshua P. Gracie

(954) 809 9746

joshgracie.com

joshua\_gracie@aol.com

## Objective

Seeking entry level position in machine learning and data science, with opportunities to grow both technically and professionally within the company.

## Education

University of Central Florida (UCF), Orlando, FL  
Master of Science in **Computer Science**  
Graduation: May 2022  
GPA: 3.875

University of Central Florida (UCF), Orlando, FL  
Bachelor of Science in **Computer Science**  
Minor in Business Administration  
GPA: 3.81

## Honors And Distinctions

UCF President's Honor Roll ..... Fall 2018 - Fall 2020  
UCF Accelerated BS to MS Program  
Winner of the UCF Senior Design Showcase for Computer Science ..... Spring 2021

## Work Experience

**Florida Blue – Summer Internship** – IT Support Desk ..... Summer 2016  
Collaborated with internal employees to solve IT related issues such as password failures, website/browser malfunctions, and computer upkeep.

**Lockheed Martin – CWEP** – Lean Six Sigma Department ..... Spring 2019 – Present  
Designed and implemented improvements to the department website, developed macros for financial and personnel data sheets, and spearheaded web apps for teams across the company including:

- A web application to assist in contract planning
- A machine learning/data dashboard to assist with manufacturing tolerance analysis

## Programming Projects

**Travelling Salesman Problem (TSP) – Evolutionary Algorithms** ..... Spring 2020  
Implemented a Genetic Algorithm to solve the travelling salesman problem. The GA was able to get within 10 – 20% of the current best-known answer for the ATT48 dataset

**Everglades AI Battle Bots – Senior Design** ..... Fall 2020 - Spring 2021  
Created and experimented with several Reinforcement Learning Agents including DQN, A3C, and PPO to play in Lockheed Martin's OpenAI Gym environment: "Everglades"

**Face Detection/Recognition - Computer Vision** ..... Fall 2021  
Built a real-time face detection/recognition command line program using OpenCV.  
Also implemented a near real-time canny edge detector using the same system

## Relevant Coursework

Evolutionary Algorithms	Machine Learning	Computer Vision
Advanced Computer Vision	'Robots, Agents, and Humans'	Human Computer Interaction

## Skills & Languages

**Competent with:** C#, Python, VS Code, Atom, Visual Studio

**Experienced with:** PyTorch, Tensorflow, OpenCV, Scikit Learn, .NET

**Familiar with:** SQL, Kubernetes, OpenShift, Streamlit, React