Joshua P. Gracie

(954) 809 9746   joshua_gracie@knights.ucf.edu

Education
University of Central Florida (UCF), Orlando, FL
Bachelor of Science in **Computer Science**
Graduation: May 2021
GPA: 3.814

Relevant Coursework

Evolutionary Algorithms	Machine Learning	System Software
Discrete Mathematics	Computer Architecture	Object Oriented Software Development

Honors And Distinctions

UCF President's Honor Roll	Fall 2018, Spring-Fall 2019, Spring-Fall 2020
UCF Dean's List	Fall 2017 and Spring 2018
UCF Pegasus Silver Scholarship	Bright Futures Merit Scholarship
UCF Accelerated BS to MS Program	

Programming Projects
KW-26 Encryptor – Computer Science 1   Spring 2018
Built an program to mimic old KW-26 encryptors. Uses fibonaci sequence to generate
a 40 digit hexadecimal key to be used to encrypt a small user generated message.

Travelling Salesman Problem (TSP) – Evolutionary Algorithms   Spring 2020
Built 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 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".

Work Experience
Florida Blue – Summer Internship – IT Support Desk   Summer 2016
Helped internal employees with IT related issues such as password failures,
website/browser malfunctions, and computer upkeep.
- Helped quickly solve password related issues during peak hours

Lockheed Martin – CWEP – Lean Six Sigma Department   Spring 2019 – Present
Assist the Lean Six Sigma department by managing the department website,
creating macros for financial and personnel data sheets, build computer
programs for operational assistance, and web apps for teams across the company.
- Learned many fundamentals about Lean Six Sigma
- Learned fundamentals of management, accounting, and finance
- Honed skills with computer programming and software development

Campus Involvement

UCF EXCEL (Member)	2017 – Present
HACK UCF Cyber Defense Club (Member)	2017 – 2018
Cyber Patriots (Member)	2016 – 2017

Volunteer Experience
The Outreach Program for Soccer (TOPS)   2015 – 2017
Worked as a peer-mentor helping less-able kids learn to play soccer.

Creekside Dodgeball Tournament for Vets   2017
Worked on the logistics team to create a dodgeball tournament to help raise money
for service dogs for veterans with PTSD. Done with Chic-Fil-A Leadership Academy.

Skills & Certifications

Experienced with the C, C#, Python and Java Languages	Microsoft Technical Associate: Networking
Microsoft Technical Associate: Security	Experienced with Windows and Linux Operating Systems
Experienced with Visual Studios, VS Code, Atom, and Eclipse	