

SYDNEY FAITH ODEN

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OBJECTIVE

Pursuing a challenging internship to enhance my real-world programming, VR, and UX/game design skills.

EDUCATION

Georgia Institute of Technology (GT) - College of Computing Honors Program - GPA 3.50 **Atlanta, GA**
BS Computational Media with Threads in Games and Intelligence *Graduation: May 2025*

WORK EXPERIENCE

Celtic Engineering Inc. (CEI) **Orlando, FL**
Mechanical/Computer Science Intern *May 2022 - July 2022*

- Wrote code in Mathcad to create various functions for input into an engineering calculation on types of pulses
- Integrated that code to solve a convolution integral using Simpson's Rule for user input functions
- Translated Mathcad code into fully-functioning and verified new MatLab code calculations
- Wrote a new equation solver using 'if' statements, 'for' loops, and 'while' loops to determine if a custom solution would be more efficient than a built-in solver method

LimaCharlie (LC) **Orlando, FL**
Cyber Security Intern *June 2020 - July 2020*

- Conducted research to learn about cyber security tools of leading competitors
- Programmed a port scanner in Python through NMAP within VMware in Ubuntu Linux
- Implemented said port scanner into LimaCharlie's open-source database (still used today)

Traditional Martial Arts Center (TMAC) **Orlando, FL**
Martial Arts - Tang Soo Do Instructor *February 2019 - July 2021*

- Achieved black belt rank (Feb. 2019), after training arduously since age 3; youngest recipient in our school
- Taught weekly classes (students of all ages) with curriculum including self defense, spiritual, mental, and physical fitness, and fighting techniques
- Mentored students in promoting ideals of character, leadership, and stress management

SKILLS

Programming: OOP and Data Structures and Algorithms in Java (GT), basic Python (GT and LimaCharlie), basic C++ (Rollins College), basic JavaFX

Operating Systems: Windows, MacOS, Kali Linux, Ubuntu Linux

Programs: VSCode, IntelliJ, Procreate, Mathcad, MatLab, Figma

INTERESTS

Game Design:

- HackGT 9 nextStep project – platform for GED, college application, and interview process
- "VG Dev" (Video Game Development) active artist and club member at GT
- Player of Valorant, Genshin Impact, Overwatch, Tower of Fantasy, Minecraft, Roblox, etc.

Public Service:

- Girl Scout since age 5 and recipient of Gold Award for developing and teaching specialized women's self-defense and empowerment programs (website linked)

Vocal Performance/Music:

- Soprano 1 performing in nationally ranked school choirs since 9th grade and now in GT's Treble Choir