Joshua Glaspey

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Summary

Senior at Burnett's Honors College, University of Central Florida, with an interest in software development and machine learning. Currently pursuing a Master's degree in Machine Learning, Bachelor's degree in Computer Engineering, and a minor in Mathematics (expected to graduate Spring 2025). Personally interested in using AI to create business solutions.

Education

University of Central Florida — Orlando, FL

- M.S. in Intelligent Systems and Machine Learning, University GPA: 4.0/4.0 — Expected Graduation: May 2025

Relevant Courses / Skills: Machine Learning, Pattern Recognition, PyTorch, Pandas

University of Central Florida — Orlando, FL

- B.E. in Computer Engineering, Minor in Mathematics, University GPA: 3.9/4.0 — Expected Graduation: May 2024
- Awards: President's Honor Roll (Fall 2020, Spring 2022), Dean's List (Spring 2021, Fall 2021, Fall 2022, Spring 2023)

Relevant Courses / Skills: Artificial Intelligence, Object-Oriented Programming / Software, Full-stack Web Development, Operating Systems, Computer Architecture, Embedded Systems, Matrix & Linear Algebra, Mathematics for Machine Learning

Skills

Programming Languages: JavaScript, TypeScript, Python, Java, C, C++, C#
Tools / Frameworks: Next.js, React, Node.js, Git / GitHub, Unity, Unreal Engine 5, Windows, Linux, Agile
Soft Skills: Written / Verbal Communication, Leadership, Logic & Organization, Data Analysis, Statistics, Problem Solving, DevOps

Experience

University of Central Florida, Undergraduate Teaching Assistant — Aug 2022 – Dec 2022

- Led large student groups to both reinforce ideas from the main lecture and introduce new topics
- Graded student assignments, proctored exams and quizzes, and participated in weekly meetings

Pratt & Whitney, Development Operations Engineering Intern — May 2022 – Aug 2022

- Researched and analyzed new technology to determine if it contributed to increased efficiency in the data recording system
- Wrote documentation for future reference, and presented information to high-leadership roles within the company

Martin County School District, On-Site Support Technician — Aug 2018 – May 2020

- Maintained hardware devices, such as laptops, projectors, and printers, along with other smaller equipment
- Referenced documentation and contacted customer support to acquire information about a product

Projects

Portfolio Website, Web Developer | *Link is provided at the top of the document* — Aug 2023 – Present

- Designed a personal portfolio using Next.js and Tailwind CSS by learning and applying the material in the span of two weeks
- Executed as a front-end project, and currently is intended to be updated with current and future endeavors

BlueShift, Game Developer — Jan 2023 – May 2023

- Collaborated with two other developers to create a Virtual Reality horror game utilizing C# in the Unity Game Engine
- Focused on creating a smart AI agent who can make weighted decisions based off a complex state machine and player actions

Hush UCF, Front-End Developer — Aug 2022 – Dec 2022

- Utilized Agile practices to manage a small team and create an anonymous confessions social media application
- Used the MERN stack (MongoDB, Express, React.js, Node.js) to create a web app, as well as React Native to create a mobile app

Extracurriculars

Tennis Club at UCF, *Former Risk Manager*

- Ensured that the club provided a safe environment for other members
- Built leadership and served as captain for the 12th ranked team in the nation

UCF Curriculum Oversight and Review Committee, *Student Representative of the Computer Engineering Program*

- Provided student perspective in the organization of the Computer Engineering program within UCF
- Engaged in a semi-annual assessment by assessing student performance in different subjects

AI @ UCF, *Member*

- Participated in developing a digital American Sign-Language translator using machine learning to identify each hand symbol
- Involved in bi-weekly meeting regarding modern usages of artificial intelligence