

Joshua Caron

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EDUCATION

University of Florida

Bachelor of Science in Computer Science, Mathematics

Gainesville, FL

June 2024 – May 2028

- Admitted to the UF Freshman Honors Program
- Admitted to the Combined Degree Program – taking graduate-level coursework toward M.S. in Computer Science
- 4.0 GPA

Indian River State College (Dual Enrollment)

Associate's in Arts

Fort Pierce, FL

Jan. 2022 – May 2024

SELECTED COURSEWORK

- Data Structures & Algorithms
- Linear Algebra
- Info. & Database Systems
- AI Fundamentals
- Intro. to Software Engineering
- Discrete Structures
- Math for Intelligent Systems
- Mathematical Statistics

EXPERIENCE & INVOLVEMENT

iOS Team Junior Project Manager

SHPE - Society of Hispanic Professional Engineers

Apr. 2025 – Present

Gainesville, FL

- Organized and conducted a 4-5 week training program to introduce new developers to XCode, Swift, Apollo GraphQL, GitHub, and Asana
- Assessed each new developer's progress by evaluating their final project to ensure it meets quality and functionality standards.
- Monitored the integration of new developers into the team, ensuring a smooth transition into regular project work after training completion.

Physics Tutor & Content Creator

Study Edge E-Learning Providers

June 2024 – Present

Gainesville, FL

- Created and produced over 300 e-learning videos covering topics in physics, designed to support students at the University of Florida.
- Achieved significant reach and engagement, with hundreds of unique viewers and substantial total watch hours across the video library.

Teaching Assistant & Tutor

Indian River State College

May 2023 – June 2024

Fort Pierce, FL

- Provided academic support in upper-level undergraduate math courses, through Calculus III, assisting students in developing conceptual understanding and problem-solving techniques.
- Led weekly discussion sections and review sessions, reinforcing complex topics through detailed explanations and guided practice.

PROJECTS

Stock Market Trend Prediction | *Python with Pandas, NumPy, Matplotlib, and Scikit-learn* June 2025 – Present

- Built a stock market trend prediction tool in Python leveraging Yahoo Finance data, enabling users to dynamically load any ticker and run predictions through a menu-driven interface.
- Implemented prediction algorithms including Simple Moving Average (SMA) with pandas and Linear Regression with scikit-learn, providing buy/sell signals and plotting results with matplotlib.
- Delivered performance analysis and visualization features by comparing algorithm accuracy, execution speed, and simulated ROI, with side-by-side charts and interactive evaluation options.

Personal Portfolio - joshua-caron.com | *JavaScript, React, Vite, CSS, Vercel, GitHub* June 2025 - Present

- Built a personal portfolio website with React, Vite, and React Router, featuring sections for About, Education, Projects, Work Experience, and Contact.
- Implemented a Formspree-powered contact form, custom CSS styling, and reusable UI components for a clean and responsive design.
- Deployed the site using Vercel with integrated assets (profile photo, downloadable resume) and version control on GitHub.