

Henry Ingraham

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Education

University of Florida

Bachelor of Science in Engineering, Computer Science

Minor: Business Administration

Gainesville, FL

Expected Graduation: May 2025

- Course Highlights: Data Structures & Algorithms | Object-Oriented Programming | Operating Systems | UX Design

Skills

Languages: Proficient: Python, Javascript, Typescript C++, Java | Familiar: Swift

Frameworks: AWS, ReactJs, HTML, CSS, Firebase, NodeJs, ExpressJs, Supabase, Figma

Projects

Air Quality Reader Weather App | **ReactJs, NodeJs, ExpressJs, AWS DynamoDB, JavaScript** | 30+ hrs | [Github](#) | [link](#)

- Utilized ReactJs, NodeJs, and AWS DynamoDB with a team of 2 developers to create a Full-Stack web application that informs users of not only the weather but also abnormalities in air quality and news headlines for a particular city
- Used OpenAI to summarize weather data, OpenMeteo for weather and air quality data, Twilio to integrate text message notifications, and NewsAPI to gather news headlines displayed on a mobile-friendly, comprehensive dashboard
- Implemented DynamoDB to store weather data for frequently accessed cities to increase search performance by 300%

Double-Sided Tech Marketplace | **ReactJs, NodeJs, ExpressJs, Firebase, HTML, CSS, JavaScript** | 30+ hrs | [Github](#) | [link](#)

- Utilized ReactJs, NodeJs, and Firebase with a team of 2 developers to develop a dynamic Full-Stack platform that empowers companies to upload tasks and students to accept the task and submit them via URL
- Integrated an authentication feature using Firebase authentication SDK to allow both companies and students to create and log in to their respective accounts and create profiles with names, logos, and tasks assigned to them
- Implemented Create, Read, Update, and Delete operations to display the assignments on the home page through React.js

Responsive Website Portfolio | **HTML, CSS, JavaScript** | 20+ hrs | [Github](#) | [link](#)

- Developed a responsive website using HTML, CSS, and JavaScript as a portfolio to showcase my technical skills and projects
- Leveraged HTML to incorporate advanced features such as hover effects and animations to enhance usability and interactivity
- Utilized CSS to apply advanced styling techniques and responsive design to create an aesthetically pleasing and visually consistent user interface

Leadership and Professional Development

Management Leadership for Tomorrow (MLT) | Career Prep Fellow

March 2023 - Present

- Selected among thousands of high-achieving applicants to participate in this Career Preparation program focused on professional and leadership development
- Complete business case studies and assignments to hone analytical, quantitative, and technical skills
- Attended conferences hosted by industry leaders, such as Deloitte, LinkedIn, Amazon, and Target

Codepath | Software Engineering Fellow | Remote

May 2023 - Present

- **Technical Interview Prep Fellow(Advanced):** Developed a strong understanding of time and space complexity analysis, optimizing code efficiency for interview scenarios
- **iOS Development:** Developed and deployed multiple iOS applications using Swift and Xcode, showcasing proficiency in coding and debugging
- **Advanced Web Development:** Developed dynamic web applications using cutting-edge tools such as React, Node.js, and Express.js, demonstrating expertise in full-stack web development.

National Society of Black Engineers | Finance Chair | Gainesville, FL

August 2022 - Present

- Helps create different events to maintain communications between company sponsors and chapter to connect members to potential corporate opportunities as the first point of contact

Headstarter | Software Engineering Fellow | Remote

May 2023 - July 2023

- Engaged in a comprehensive curriculum that covered advanced software engineering concepts, industry best practices, and cutting-edge technologies
- Developed proficiency in full-stack development, gaining hands-on experience with front-end frameworks, back-end technologies, and databases
- Leveraged various programming languages, such as Java, Python, or JavaScript, to build robust and efficient software systems

Certifications

JPMorgan Software Engineering Virtual Experience Program on Forage

August 2023

- Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies