

Henry Ingraham VII

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Education

University of Florida

Bachelor of Science in Engineering, Computer Science GPA: 3.68

Gainesville, FL

April 2025

Minor: Business Administration

- Course Highlights: Programming and Introductory Data Structures | Discrete Math | Linear Algebra
- Honors/Awards: National/African American National Merit Scholarship Program

Skills

- C++, Java, Python, HTML, CSS, Javascript, R
- IntelliJ, CLion, Visual Studio, R Studio, Matlab

Projects

- Gator AVL Project | C++
 - Implemented a filing system using an AVL tree to store student accounts by ID number
 - Created a user interface with a menu and input validation
 - Calculated and optimized time complexities of search, insertion, and removal functions
- Minesweeper | C++
 - Recreated a fully functional version of the Minesweeper game, including debugger modes
 - Learned and implemented Simply and Fast Multimedia Library to create the front-end user interface
 - Programmed the backend functionality, including a debugger mode, win/loss conditions, and game state data
- A.I. Pacman | Java
 - Created an automated version of the Pacman game
 - Implemented a set of directions for the Pacman character to follow based on the environment and ghost positions
 - Using game results, updated and revised autonomous controls for the highest score possible

Work Experience

Retail Sales Associate, Ralph Lauren

Sunrise, FL

Brand Ambassador

June 2022 - August 2022

- Arranged and recommended products to customers to ensure customer service to personally convert two thousand dollars in revenue each day
- Provided excellent customer service by answering questions and processing funds to over 100 customers daily
- Calculated refunds, exchanges, and cashflow to ensure ethical and precise cashier management

Leadership and Professional Development

Management Leadership for Tomorrow (MLT)

Gainesville, FL

Career Prep Fellow

March 2022 - 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, Clorox, and Target

Hacktivists

Gainesville, FL

Member

January 2022 - Present

- Participate in workshops that focus on reinforcing knowledge of data structures and algorithms
- Collaborate with other members on A.I. checkers machine learning project
- Introduction to coding with Python

National Society of Black Engineers

Gainesville, FL

Member

August 2022 - Present

- Develop connections with other African American peers in the engineering field at meetings
- Network and learn from professionals in the engineering industry at regional and National Conferences
- Sit in on workshops that aid in networking, professionalism, and career development

Association for Computer Engineers

Gainesville, FL

Member

August 2022 - Present

- Grew professional skills at workshops and networking events
- Frequent general body meetings as well as organization events
- Work with team members on programming projects