

William Blake Crawford

954-849-0116 | blke.crwfrd@gmail.com | linkedin.com/in/blakecrawford1

EDUCATION

University of Florida <i>Bachelor of Science in Computer Science</i> <i>Bachelor of Science in Mathematics</i> GPA: 4.00/4.00 Relevant Coursework: Computer Programming 1 (Python), Computer Programming 2 (C++), Data Structures and Algorithms	Gainesville, Florida <i>Expected May 2026</i> <i>Expected May 2026</i>
---	--

TECHNICAL SKILLS

Languages: Python, C++, Lua, JavaScript, HTML/CSS Tools and Frameworks: Git, React, Node, Flask, Firebase, Leaflet.js, Roblox Studio, Vercel

PROJECT EXPERIENCE

Gainesville Crime Heatmap <ul style="list-style-type: none">Built a front-end map interface using Flask, JavaScript, HTML/CSS, and the Leaflet.js library for users to maneuver, input heatmap details, and see emergency help and top crime locations around GainesvilleDeveloped an algorithm that converted 210K crime data points into a latitude-longitude array and sorted by crime count using heap and shell sort, simultaneously calculating respective sort operation cost Strange Showdown <ul style="list-style-type: none">A free-for-all round-based fighting game made using Roblox Studio engine and Lua coding languageWrote an API to manipulate a custom-made set of checks/values on each player modelFormulated game flow to run rounds, prompt GUI, incorporate new players, and update player datastore GatorRelator <ul style="list-style-type: none">Designed a website using React and Firebase which allows UF students/alumni to create accounts and connect based on shared majors, years, campus organizations, and places of work
--

LEADERSHIP EXPERIENCE

University of Florida CISE <i>Teacher Assistant, Programming Fundamentals 1</i> <ul style="list-style-type: none">Taught weekly sections with 50 students about object-oriented programming, looping/branching, procedural/data abstraction, and program modularity through PythonGraded and identified algorithm errors in varying programming exams, projects, and homeworkPrepared review material and presentations on programming fundamentals for 500 students	Gainesville, FL <i>Jan. 2024 - May 2024</i>
Freshman Leadership Engineering Group (FLEG) <i>Collegiate Director</i> <ul style="list-style-type: none">Led 10 undergraduate students in planning monthly events, workshops, and showcases for college freshmen to learn collegiate skills and grow academicallyBecame a mentor for a freshman engineer, planned weekly meetings, and held bi-weekly office hours along with working with a 20-member team to make decisions on behalf of the entire organization	Gainesville, FL <i>May 2024 - Present</i>
Professional Affairs Ambassador <ul style="list-style-type: none">Worked with fellow students to coordinate informational sessions on resumes, interviews, and overall professional preparation for college freshmanCreated a resume bank of over 25 talented upperclassmen resumes along with a major-specific resource list of over 280 items to build freshman resumes	<i>Sep. 2023 - May 2024</i>