

Julian Sanchez

(561)–758–6861 • jws22c@fsu.edu • [linkedin.com/in/julianwsanchez](https://www.linkedin.com/in/julianwsanchez) • <https://julsan.dev> • github.com/jul-san

EDUCATION

Florida State University

Tallahassee, FL

Candidate for Bachelor of Science in Computer Science

Expected May 2026

- **Skills:** C++, Java, JavaScript, Python, TypeScript, HTML/CSS, C, JSON, Git, React, Vim/Neovim, Excel, Word
- **Involvement:** Vice President-Internal of SASE, University Honors Program, Chess Club, eSports at FSU
- **Clearance:** Active security clearance at 'Secret' level with **Special Access Program** – initiated January 2023
- **Awards:** AASU New Member of the Year, FSU ACM Spring Programming Contest 2nd Place, Seminole Scholar

RELEVANT EXPERIENCE

Massachusetts Institute of Technology - Lincoln Laboratory

Lexington, MA

Incoming Summer Research Intern

May 2024 – August 2024

DeVoe L. Moore Center

Tallahassee, FL

Data Analytics Intern

January 2024 – May 2024

Northrop Grumman

Melbourne, FL

Software Engineer Intern

May 2023 – July 2023

- Designed plugins in **Java** and **JavaFX** for a message reporter that imports **100,000+** recordings of simulated flight test data and processes user-selected recordings into **CSV** files.
- Altered pre-existing code to allow compressed files sized **500+ gigabytes** to import within **10-15 minutes**.
- Utilized **Atlassian Bamboo**, **BitBucket**, and **Jira** to test plugins in various **XML** build scripts and modified the scripts to increase build efficiency by **5-7%**.
- Developed a **Python** app with **Tkinter GUI** that parses **200+ JSON** files and alters elements based on user-selected input.
- Imported **Pandas** within the app to load and analyze over **50,000** lines worth of XPaths within the JSON files to allow the application to display and process **100+** user-generated files.

Code Ninjas

Wellington, FL

Code Sensei

May 2022 – August 2022

- Mentored over **20** children **ages 7–14** on computer science concepts through **block coding** in **JavaScript**.
- Assisted lead instructor in lesson development which led to increasing participation rates by **50%**.
- Served as tech support in **10+** instances and troubleshooted multiple software issues that occurred.

FIRST Robotics

Wellington, FL

Programmer

August 2018 – March 2022

- Organized a pair-programming environment divided into more than **5** groups working in different functions.
- Programmed in **Java** to allow an Xbox 360 controller to facilitate basic movements for the robot.
- Engaged in weekly code reviews resulting in **more than 20** errors to be corrected to allow functionality.

TECHNICAL PROJECTS

Big Integer Class

School Project

- Designed a 'Big Integer' class in **C++** that creates an object to store numbers larger than existing data types.
- Structured using **object-oriented programming** with **dynamic arrays** to store each digit in a unique index.
- Utilized **dynamic memory allocation** and **operator overloading** to store and calculate values in each array.

Personal Website

Personal Project

- Developed an online website with **TypeScript** and **React JS** that serves as an online resume free to view.
- Utilized **Chakra UI** and **React Router DOM** to design the **reactive** elements of the **dynamic** online website.
- Included a section to display entries about several topics such as current events and personal thoughts.