

# NATHANIEL WUBIE

(407)-590-5790 | [nwubie@ufl.edu](mailto:nwubie@ufl.edu) | [nwubie.github.io](https://nwubie.github.io)

## EDUCATION

### University of Florida

*Bachelor of Science in Computer Science, Minor in Digital Arts and Sciences*

Gainesville, FL

*Aug. 2021 – May 2025*

**Relevant Coursework:** Programming Fundamentals 1 & 2, Foundations of Digital Culture, Applications of Discrete Structures, Introduction to Computer Organization, Intro to Digital Technologies, Data Structures & Algorithms, Intro to Software Engineering

**Organizations:** ColorStack, NSBE, SHPE, Software Engineering Club

## TECHNICAL SKILLS

**Languages:** *Proficient:* C/C++, Java/JavaScript, HTML/CSS      *Familiar:* Python, ARMv8, SQL, LaTeX

**Developer Tools/Frameworks:** VSCode, XCode, Git, React, Node.js, Next.js, PostgreSQL

**Graphics Software:** Adobe Creative Suite, Blender, Cinema4D, GIMP

**Certifications:** Adobe Photoshop & InDesign, Microsoft Word, PowerPoint, & Excel

## PROJECTS

**MelodyMatrix** | *Next.js, React, Stripe, Supabase, PostgreSQL, Tailwind*

September 2023

- Developed a full-stack music streaming application using Next.js and React that closely replicates the functionality and user experience of Spotify
- Implemented user authorization and a premium subscription feature using Stripe, ensuring a seamless and secure payment experience
- Integrated APIs for the use of displaying music content such as album art, track information, artist details, etc.

**Minesweeper** | *C++, SFML, XCode*

May 2022

- Produced, independently, a customizable version of the classic game Minesweeper; users are able to select the amount of tiles and mines they want present on their board
- Implemented the Simple and Fast Multimedia Library (SFML) to display various graphics & textures within the program
- Overcame and resolved issues in source code by debugging

**Image Transformer** | *C++, CLion, CLI, Git*

March 2022

- Constructed a program that transformed .tga images by using bit-wise operations to alter the RGB values of pixels
- Image modifications such as screening, overlaying, subtracting, and multiplying were performed on several image files

## EXPERIENCE

### Freelance Graphic Designer

April 2015 – Present

*Personal*

*Orlando, FL*

- Created designs for individuals, clubs, organizations, etc. both for profit/non-profit and generated over \$3,000 in revenue
- Familiarized myself with several computer graphics software (2D and 3D) such as Adobe Creative Suite, Blender, Cinema 4D, GIMP
- Communicated with clients to understand their visions while revising work to improve client satisfaction
- Design Portfolio: [nathanielwubie.wordpress.com](https://nathanielwubie.wordpress.com)

### Event Staff Supervisor

August 2022 – Present

*Stephen C. O'Connell Center*

*Gainesville, FL*

- Delegated and lead crews of various sizes during events with 10,000+ attendees
- Coordinated event logistics in coordination with co-leads through careful planning
- Maintained an open stream of communication with administrators/division heads & attend monthly divisional meetings
- Consulted patrons and use conflict resolution skills to ensure quality customer service