

JAMES YAB

📍 Land O' Lakes, FL 🌐 www.jamesyab.com 🐙 github.com/YingJames
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Education

University of South Florida

Bachelor's, Computer Science

Expected Graduation: May 2025

GPA: 3.84

Relevant Coursework:

- Data Structures
- Software Engineering
- Operating Systems
- Analysis of Algorithms
- Computer Architecture
- Parallel Computing

Skills

Languages: Python, Javascript, Typescript, C, C++, C# .NET, SQL

Technologies/Frameworks: Linux, GitHub, React, Next.js

Professional Experience

Wedding Photography Studio

Frontend Developer & UI/UX Designer

August 2020 - April 2021

Remote

- <https://jasmine-yab.com/>
- Conducted initial consultation with the client to understand their website vision and requirements.
- Maintained open communication with the client to ensure their vision was accurately reflected in the final product
- Designed and developed using Webflow, with a focus on enhancing user experience.

Projects

USF SOAR - NASA Student Launch

C/C++, Python

https://github.com/usfsoar/NSL_23-24_PayloadEECS

- Collaborated with the team through the issue tracking system, providing code fixes, enhancements, and feature requests for the Arduino embedded C++ code and Python ground station frontend.
- Utilized GitHub for version control and collaborative software development
- Thrived in a multidisciplinary team environment, requiring effective communication and problem-solving

Portfolio Website - jamesyab.com

React, Next.js, HTML, CSS

<https://github.com/YingJames/jamesyab-portfolio>

- Uses React and Next.js for front-end development, hosted on Vercel.
- Implemented responsive design, page routing/navigation with Next.js, and modular React components
- Created seamless deployment workflow integrating GitHub repository with Vercel. Commits trigger automatic builds and deployments

Stock Analyzer

C# .NET

<https://github.com/YingJames/StockAnalyzer/tree/project3>

- Designed and developed a desktop application for visualizing and analyzing stock market data to identify candlestick patterns
- Implemented object oriented principles including polymorphism techniques and inheritance
- Developed using the Model-View-Controller (MVC) design pattern and the Windows Form App Component UI Library

Graph Data Structure Visualizer

React, D3.js, Typescript

<https://github.com/YingJames/ForceGraphGenerator>

- Developed an interactive force directed graph visualization tool using React, TypeScript, and D3.js
- Designed and coded algorithms to position nodes and edges using force simulation physics

Extracurricular

- **USF Society of Aeronautics and Rocketry (SOAR)** Jan 2024 - Present
- **Society of Asian Scientists and Engineers (SASE)** Oct 2023 - Present
- **Key Club International** Mar 2017 - Jun 2021