

James Yab

U.S. Citizen | Tampa, FL | james.luu.yab@gmail.com | <https://jamesyab.com> | <https://linkedin.com/in/james-yab> | <https://github.com/YingJames>

EDUCATION

University of South Florida

Tampa, FL

Major: Computer Science, GPA: 3.84

Expected Graduation: May 2025

Relevant Courses: Data Structures & Algorithms, Computer Architecture, Software Development, Parallel Computing

WORK EXPERIENCE

Wedding Photography Portfolio Website

Land O' Lakes, FL

Frontend Developer & UI/UX Designer

(Aug 2020 - Apr 2021)

<https://jamesyab.com/work/jyphoto>

- 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 functional and visually appealing websites using the Webflow software, with a focus on enhancing user experience.

PERSONAL PROJECTS

Stock Analyzer

(C# Windows Forms App)

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

- Designed and developed a desktop application for visualizing and analyzing stock market data to identify candlestick patterns using C# and Windows Forms
- Implemented interactive candlestick charts with date filters enabling users to visualize and compare multiple symbols side-by-side
- Used polymorphism techniques and inheritance to enable flexible recognition of single and multi-candlestick patterns selected by the user

Spatial Distribution Histogram with Parallel Computing

(CUDA C/C++)

<https://github.com/YingJames/Spatial-Distribution-Parallel-Computing>

- Designed a spatial distribution algorithm by leveraging CUDA parallel computing
- Employed multithreading optimizations to significantly outperform its CPU implemented counterpart
- Developed an understanding of low-level GPU computing through hands-on experience with CUDA

Carbon Authentication Login Form

(React, Firebase, Sass)

<https://carbon-login-app.netlify.app>

- Developed a secure user authentication system, allowing users to login using a google account or email and password with Firebase
- Implemented a custom design system frontend with IBM's Carbon Design System
- Modularized the authentication form to be used in other projects

Handshake Career Fair Web Scraper

(Python)

https://github.com/YingJames/handshake_employers_scraper

- Developed a web scraper to gather and store company description metadata from Handshake into a spreadsheet
- Implemented data parsing to ensure structured data collection

LEADERSHIP EXPERIENCE

Key Club International

Land O' Lakes, FL

Volunteer Coordinator

Mar 2017 - Jun 2021

- Organized and led volunteer activities, such as food drives and beach cleanups
- Collaborated with other members to plan and execute fundraising initiatives to support various charitable organizations
- Developed leadership and teamwork skills by working with a diverse group of individuals to achieve shared goals.

TECHNICAL SKILLS

- Languages: Python, Javascript (Typescript), HTML/CSS, C/C++
- Platforms/Libraries: Git, React, MongoDB, Firebase
- Operating Systems: Mac OS X, Windows, Linux