

Alvaro Flores

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Education

UNIVERSITY OF FLORIDA

Bachelor of Science, Computer Science. Major GPA: 3.9
Relevant Coursework: Data Structure and Algorithms, and Discrete Structures

Gainesville, FL
May 2025

UNIVERSITY OF SOUTH FLORIDA

Bachelor of Arts, Economics.
Relevant Coursework: Professional Writing, Public Speaking

Tampa, FL
May 2018

Technical Skills

Languages: TypeScript, JavaScript, Python, C++

Libraries/Frameworks: Node.js, Express.js, React.js, Flask, MongoDB, MySQL

Developer Tools: Vercel, Heroku, Vite, Webpack, Git

Projects

SmartTask AI

Sept 2023

Full Stack C.R.U.D Application

- Developed a full stack web application that uses *OpenAI API* to manage the user's daily tasks and provide a useful hourly schedule with tips and recommendations on how to complete tasks.
- Implemented user friendly and responsive interfaces with *React*, *flexbox*, and *Tailwind CSS*.
- Integrated secure user authentication with *JSON Web Tokens* (JWTs) and used the *Bcrypt* library for secure hashing/salting passwords, and verification, before providing JWTs via cookie.
- Created using *Node.js* backend with *Express* and *MongoDB* and deployed via *Heroku*.

Weatherwise

Aug 2023

Front End Web Application

- Developed a *React* web application to display the weekly weather forecast of the user's location using 2 APIs.
- Utilized *OpenWeather API* to retrieve and fetch weather data, and parsed to display temperature, conditions, for each day of the week.
- Integrated *Geolocation API by Google* in order to retrieve coordinates and used alongside the weather API to fetch localized data.

SudokuPy

July 2023

Group Project - Team Lead

- Directed a group of 4 to develop a Sudoku game with various levels of difficulties. Organized 7 team meetings, individual assignments, and internal deadlines.
- Integrated code of different members to work cohesively and *debugged* 6 integration bugs.
- Performed 5 *code reviews*, and enabled team members to use an *object-oriented* approach in the development.
- Established using *Python* and the *Pygame* library.

Experience

BROLTY PROPERTY SOLUTIONS

Developer / Co-Founder

Tampa, FL
Nov 2014 – Jan 2021

- Founded a property repair company with a focus on major repairs, and landscaping and expanded to 8 counties.
- Administered daily operations and managed various independent contractors.
- Acquired 6 major contracts and grew yearly revenue to ~\$480,000 at its peak.
- Automated daily tasks using Python reducing operational workload by 40% and paperwork by 50%.
- Minimized losses during COVID and maximized severance for employees before shutting down.