

# Andres Flores

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**Summary:** Computer Science senior at the University of Houston passionate about helping people with and without code. I want to dive into the world of development and networking. I am seeking an IT/Software Engineering Internship/Co-op position.

## EDUCATION

**University of Houston, Houston**

**B.S. in Computer Science, Minor: Mathematics** - GPA 3.7

**December 2023**

Dean's List Honor: Fall 2020, Fall 2021, Spring 2022, Fall 2022

**Relevant Coursework:** Algorithms, Operating Systems, Computer Org & Architecture, Programming & Data Structures, Fundamentals of Software Engineering, Software Design, Intro to Computer Networks

## SKILLS

**Technical:** (Proficient) Python, Java, C/C++ (Familiar) C#, HTML, CSS, JavaScript, ASP.NET Core MVC, Azure SQL, Xunit, React, Bootstrap, computer/server hardware installation/troubleshooting

**Software & Operating Systems:** UNIX, UNIX Shell, Linux, macOS, Windows, PowerShell, Microsoft Office Suite, VMware, GIT, GitHub, Visual Studio, Visual Studio Code.

**Language:** Fluent in English, conversational and working proficiency in Spanish.

## PROJECTS

**qEnergy - ASP.NET Core Web Application Group Project**

**SPRING 2023**

- Web application for a "company" to request fuel quotes to purchase from "qEnergy."
- The app will predict the rate of the fuel based on customer history, location, company profit margin, and amount of gallons requested.
- Login/Register forms and Quote request forms with CRUD functionalities utilizing Azure SQL with hosting on Azure.
- **Technologies used:** C#, ASP.NET Core MVC, Xunit, SQL Server, Azure SQL, HTML, CSS, jQuery

**pdfMerge with GUI**

**FALL 2022**

- A simple Python script with a simple GUI to merge together PDFs in a specific order.
- Created for the Physics Business Office to efficiently reduce the number of unnecessary hours of mundane and error-prone manual PDF combining.
- **Technologies used:** Python, PySimpleGUI

**Server/Client String Decompression Program with Sockets**

**SPRING 2022**

- Server and client programs that send and receive data using sockets.
- Client program will receive a compressed message and create child threads that create a socket to send bits to the Server.
- Server will receive sockets that give the bits and create child threads to asynchronously handle requests from the client. Server will send back a letter representing the bits received.
- The client program receives letters and creates the decompressed message.
- **Technologies used:** C++, Sockets, POSIX threads

**Java Maze Solver with GUI**

**SPRING 2020**

- Java program that visualizes solving mazes with Depth First Searching, Breadth First Searching, and A\* Searching.
- Able to generate small (10x10), medium (20x20), large (30x30), and custom mazes. Able to load mazes and generate new mazes of the same size.
- Gui gives the option to animate the process of searching or to view the solved maze instantly.
- **Technologies used:** Java, Swift, AWT

## WORK EXPERIENCE

**U of H - Physics Department/NSM IT, Houston** - *Physics IT/NSM IT*

SEPTEMBER 2022 - CURRENT

- Provided IT support in Windows/Ubuntu/macOS for over 30 physics and NSM faculty and staff in a timely manner.
- Configured software and installed hardware to effectively accommodate users' desktop and laptop needs.
- Troubleshooting/debugging in Windows/Ubuntu/macOS environments.

**Houston Public Media, Houston** - *Technology Assistant*

OCTOBER 2021 - MARCH 2022

- Supported engineering and IT with upgrading and maintaining existing audio, broadcast, and computing equipment as well as network infrastructure.
- Practiced industry standards for IT data center management such as maintaining the cleanliness of the area, color-coordinating cables, and labeling equipment to prevent loss.

**Taqueria Almeida, Corpus Christi** - *Cashier/Food Runner*

AUGUST 2017 - MAY 2021

- Provided a quality experience for 200+ patrons by communicating menu options and accurately entering data into POS systems.
- Collaborating with the manager to provide suitable solutions for customer concerns.
- Coordinated with coworkers to efficiently complete and distribute orders during high-volume times.