ANDRÉS CAVALIÉ

Junior Software Developer / UTC Student

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SUMMARY

Highly motivated full-time Computer Science student, part-time full-stack developer. Passionate about technology and business. Always eager to communicate, teach, and guide team members in any context. Determined, will remain calm when faced with a problem, and will work until a solution is found.

I am interested in back-end / full stack development, AI, and Computer Vision.

PROGRAMMING LANGUAGES / FRAMEWORKS / JS LIBS

Python	Javascript
SQL	C#
HTML / CSS	Java
Flask	React
PHP	C++

TECHNOLOGIES/LIBRARIES

Jquery	Unity	OpenCV	Tensorflow	Pandas		JSON
SQLAIche	emy	APScheduler	Flask-Login	Во	Bootstrap	
MNIST Da	ataset	REST APIs	VS Code	Git Gith		ıb CLI

PROJECTS

Reddit Marketing Toolkit

https://github.com/AndresCavalie/Reddit-Marketing-Toolkit

Web app that sends HTML emails when new posts that contain the user's keywords are made on a user's selection of Subreddits. These posts are stored in a SQLite database, accessed via user authentication, and sent at frequency of user's choice.

 HTML, CSS, Python, JS, SQLite / Flask, Reddit RESTful API, APScheduler, Pandas, JSON, Bootstrap

Al Visual Piano

https://github.com/AndresCavalie/Visual-Piano-Tensorflow_OpenCV

Using Tensorflow, OpenCV, and MNIST digit dataset to identify digits written on a sheet of paper. Using Mediapipe Handtracker to see when a finger passes over each digit, triggering the musical note that corresponds to each written digit.

Python / OpenCV, Tensorflow, Mediapipe, RTMidi, NumPy

Venpisco Tournament - Puzzle Game (in progress)

A game built in Unity combining classic puzzle, memory, and reflex mobile games into a tournament available to members of select geographic locations. Meant to capture the competive nature of users much like Wordle.

· Unity / Node server

STRENGTHS

- Strong Communicator
- · Determination / Problem Solving
- Leadership / Team Building
- Eager to Learn / Self-Taught

LANGUAGES

English Native
Spanish Native

EDUCATION

BS in Computer Science: Software Systems (Minor in Entrepreneurship)

Program GPA **3.35** / 4.0

University of Tennessee at Chattanooga

苗 2020 - Present

- Algorithm Analysis and Advanced Data Structures
- Data Structures and Program Design
- · Software Design and Development
- · File and Database Processing

EXPERIENCE

Full Stack Developer Internship

CSSI / Technology Projects

- Writing well documented back-end and front-end code in MVC (Java, JS, SQL)
- Researching and designing database tables and security systems for clients
- Communication with lead developers to plan and develop solutions

UTC Basketball Analytics Developer - Freelance

The University of Tennessee at Chattanooga

- Writing well documented back-end and front-end code in Flask (Python, ReactJS, SQL)
- Responsible for the software development process from start to deployment, and maintenance postdeployment
- Planning and deliberating site design and functionality with clients

Graphic/Web Designer

Bowman On Target Marketing

- · Revamped entire suite of websites, created graphics
- Consistently completed remote work to meet deadlines
- Collaborated with CEO to create marketing material for advertisers

UTC Basketball Analysis Dashboard

https://github.com/AndresCavalie/UTC_MONEYBALL

Web interface built for the UTC Basketball team to chart individual player, game, and play statistics, with the end goal of adjusting player formations. Game data excel files are uploaded to database and processed each game.

· HTML, CSS, Python, JS, SQLite, React / Flask, Pandas, JSON, Bootstrap

Notes Web App

https://github.com/AndresCavalie/Notes-App-CRUD

Simple web app with authentication that can create, edit, and delete notes on a database. Used this simple project to learn Flask for Python web development.

· HTML, CSS, Python, JS, SQLite / Flask, Bootstrap

Calculator Web App

https://github.com/AndresCavalie/Basic-Calculator-JS

A simple website that imitates the iOS calculator that served as a brief introduction to javascript and CSS Flexbox.

· HTML, CSS, JS