

Joshua Frazer

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Education:

University of Central Florida

Bachelor of Science in Computer Engineering
Minor in Intelligent Robotic Systems
GPA: 3.5

Orlando, FL

Graduation: 05/2022

Valencia College

Associate of Science in Computer Science
GPA: 3.4

Kissimmee, FL

Graduation: 05/2018

Skills

Programming Languages:

- C
- Java
- SQL
- Python
- C++
- C#
- HTML/CSS
- Javascript
- Kotlin for Android

Framework Experience:

- Angular.js
- React.js
- WPF
- WinForms
- .NET Framework/Core

Proficient Tools:

- Bash
- Eclipse
- Code Composer Studio
- Visual Studio
- Atom
- IntelliJ IDEA
- Windows
- Ubuntu
- MobaXterm
- TortoiseSVN
- SVN
- GIT
- Github
- Android Studio
- Azure DevOps

Honors:

Take Stock in Children Scholar

Employment History

Real Estate Developer

Self-Employed

12/2016-Present

- Managed renovation projects while keeping the budget, materials, and time in consideration
- Collaborated and led teams to follow through project requirements

Holley Performance Products

Sanford, FL

01/2022-04/2022

Paid Internship

- Worked on an agile team to design and create a customer facing WPF application. The application leveraged databases, cloud resources, secure network connections, encryption, and user level permissions
- Designed new features, fixed bugs, and collaborated with a team of software engineers to achieve sprint goals
- Created an application to process and compare two binary files. The application attempts to locate both similarities and differences and provides this information to internal end users which greatly improved their efficiency
- Updated and re-engineered an existing WPF application to fit MVVM patterns and use multiple threads to improve performance

Projects:

Photo-TANKs - Senior Design Semi-Finalist

- Coordinated with a team to create a tank with AI capabilities that utilizes object detection with a Jetson Nano
- Tank would depict between ally and enemy, if an enemy was detected, the tank weapon systems would engage
- Managed the training for the CNNs, GPIO pin activation for motors, LEDs, and boards, and the WPF application to remote control the tank

Clippy5

- Collaborated with an agile team to develop a responsive web application using HTML/CSS, JS, and .NET that would save bookmarks that you could share with fellow users
- Helped develop the front-end(Javascript, HTML/CSS) and back-end(SQL, C#, Razor Pages) of the web application
- Established a server through AWS to provide public web access
- Managed and added the majority of the CSS and front-end features

StickyNoteCopyCat

- Created a WPF application in MVVM that mimics the majority of Sticky Notes features
- Implemented an SQLite database to store each of the notes' information, ids, and image file paths

Server/Client GET and POST HTTP methods

- Designed a server and client in C to communicate between one another
- Established GET and POST request capabilities for the server so client can send data

Cache Simulator

- Cache simulator that would simulate cache using LRU and FIFO implementations
- Kept track of the tags, addresses, and dirty cache