

# Joshua Frazer

Portfolio: [www.joshua-frazer.com](http://www.joshua-frazer.com)

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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/TypeScript
- 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

### Portfolio Website

- I designed and developed an Angular web application with .NET Core that showcases my portfolio, while being fully responsive to ensure optimal viewing experience across all devices.
- Extracted all pertinent information from GitHub's REST API for each project card, allowing for a fluid and dynamic display of previous projects I have worked on.
- Constructed a controller that utilizes SMTP to gain access to a personal email account and send messages originating from the contact form.
- Deployed a web hosting server powered by Azure, fortified with advanced SSL certification to safeguard the integrity and confidentiality of my website's data.

### 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

### 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