

Tessa Painter

Software Engineer

Personal Info

📍 Memphis TN



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🌐 tessapainter.com

🐙 github.com/
FlorianEagox

Skills

Git Project Management

Linux Server Administration

Databases

Accessible Software
Design

Video Editing

Creative / Logical Problem
Solving

Agile Framework

3D Asset Pipeline

🔧 Tools

Unreal Engine 4 C++

Jetbrains suite

VS Code

Visual Studio

Languages & Technologies

VueJS Java

PHP NodeJS

HTML5/CSS3 Python

C++ REST APIs

.NET MongoDB

Kotlin NGINX

An eager developer aiming to gain experience and apply my knowledge and abilities meaningfully contributing to software or cybersecurity projects.

📁 Experience

Aug-2024-Present AI Research Engineer

Braiv Video

- Researched and implemented the latest audio processing and generation libraries
- Built Kubernetes and Google Cloud pipelines in a fullstack application to handle large video and audio streams
- Compared and fine-tuned different AI models to optimize for best results

Jun-Aug 2022 Field Organizer

Steve Mulroy for Shelby County DA Campaign

- Created scripts to manage and manipulate data, automate tedious tasks, and help us gain insight and better connect with voters
- Edited media-ready videos and made persuasive graphics to promote our candidate
- Managed social media posting to optimize engagement
- Modified our campaign website and provided daily IT assistance and setup

Jun 2019-Jan 2021 Software / Cybersecurity Engineer

Lockheed Martin

- Created a realtime web control panel for a hypersonic missile simulator with Python/Flask, SocketIO, and HTML/CSS/Javascript
- Built fullstack battery simulator with Python, VueJS, and Websockets
- Created CyberTracker, an RMF based Access Application to manage cyber credentials of employees & critical systems
- Wrote Linux bash test/maintenance scripts for critical systems to validate security features

Jun 2019 Freelance Web Developer

Greenway Biotech

- Created custom, scalable web components to display information about the nutritional composition of various plant supplements
- Built JS integrations for existing Shopify pages

Apr 2019 Mobile/Desktop Application Development

Freelance Contract

- Created a companion app for WAGUN, a word based board game
- Used LibGDX and Kotlin to deploy to Desktop, iOS, and Android

Jan-Jul 2019 Game Developer - Smart Response Lite

The BrainTrust LLC

- Coded dialogue trees and dynamic cutscenes
- Created Level Sequences and Blueprint Logic
- Managed AWS CodeCommit and multimedia asset pipeline

⚙️ Projects

WeeaBlind

Python program that uses AI / ML frameworks to dub any video in any language
github.com/FlorianEagox/WeeaBlind

Illegally Blind

Blog & Tiktok where I write about unique solutions to programming challenges and living with blindness. Built with Vue/NuxtJS w/ Automatic publishing
tessapainter.com/blog

Form Stash

Browser extension for storing form data on websites so you can come back and finish it later.
tessapainter.com/project/formstash