

Johanna Josephine

Software Developer

Hayward CA 94542,
United States

[http://
flavorlessquark.tech](http://flavorlessquark.tech)

✉ jjosephi.dev@gmail.com

🐙 github.com/FlavorlessQuark

☎ [7866020249](tel:7866020249)

SKILLS

Experience

Full-stack / Web3 developer

@Simple Breakthrough LLC

Apr 2021-Present

- Lead a small team of developers
- Conducted code reviews and refactors.
- Built web applications from the ground up
- Implemented Figma / Zeppelin designs and FrontEnd functionalities using Reactjs
- Designed and implemented BackEnd and BackEnd functionalities using Nodejs
- Implement web3 functionalities and smart-contract interfaces
- Developed smart-contracts for the Ethereum and Solana chains

Education

Broward College

Associate in Arts, Physics

2016-2018

42 Silicon Valley

Bachelor's degree, Computer Programming

2019-2021

- Peer to peer learning experience mimicking a work environment
- Project based curriculum
- Developed games for Hololens2 and Windows Mixed Reality headset using Unity and Stereokit

Projects

3D Renderer // C

github.com/42Curriculum/ft_fdf

- Rasterizer without a camera
- Fixed point optimization
- Program that reads from

Edge detection // C

github.com/LumenNoctis/Shape_detect

- Implemented hough transform algorithm that can detect straight lines from an image drawn by the user using the normal form of a line (as to avoid divide by 0 errors)
- Line detection has multiple parameters that can be fine-tuned to provide better

Game Engine // C

[github.com/FlavorlessQuark/
SDL_Tools](https://github.com/FlavorlessQuark/SDL_Tools)

- Mini game engine using the SDL2 libraries
- Supports input mapping, buttons, level manager, 2D sprite and sprite sheets, rendering.
- Implements a CSS Flex like positioning system
- Caps FPS and rendering for smooth and uniform game loops

NFT TCG //JS

<https://blockduelers.io>

- Improve legacy codebase by partially refactoring frontEnd and optimizing backEnd database and blockchain calls
- Built system that enables cross-chain play
- Built Admin page.
- Improved user profile loading time by 200% by redesigning NFT fetching system
- Designed and implemented system to keep track of NFTS , enabling us to add any collection to the project

C

C#

Python

Javascript

bash/zsh

Reactjs

Nodejs

Mongoose

Express

Web3js

Etherjs

Git

GNUmake

Unity