Emil Sayahi

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Education

Turpin High School | Academic Honors Diploma

Cincinnati, OH | September 2017 - May 2020

Miami University | Computer Science Major

Oxford, OH | August 2021 - May 2025 (expected)

Skills

GTK • IPFS • Rust • C# • .NET Core • GitHub Actions • Git • Java • Jamstack • HTML • CSS • Linux & BSDs

Activities

Forest Hills School District, Gaming Tournaments | Organizer

• Assisted with tournament organization (September 2017 - May 2018)
• President, Smash Bros. Club - Organized gaming tournaments every week (September 2018 - May 2019)
• Assistant seasonal tournament organizer at Anderson High School (September 2019 - May 2020)

Open-source

larz | Lead developer, maintainer

August 2021 - Present

Archive tool for efficient decompression, using the LZ4 algorithm. Written in Rust.

GTK-rs | Contributor

June 2021 - Present

Contributions to the Rust bindings for GTK, including libadwaita and WebKitGTK.

Oku | Lead developer, maintainer

November 2020 - Present

Peer-to-peer browser aiming to create an alternative to the Web. Written in Rust, GUI in GTK.

Dokkoo | Lead developer, maintainer

October 2020 - Present

Data-driven media publication tool built for government, healthcare, and digital news. Potentially the fastest open-source Jamstack tool; written in Rust.

Web Presence

GitHub: Dirout

Blog: Mousehole

Experience

Turpin High School, Computer Science Lab | Lead Developer

August 2019 - May 2020 | Cincinnati, OH

• Constructing a static web content publishing system, WDHAN, using Liquid syntax, Markdown, and C# for page generation.

Nagel Middle School, Tech Squad | IT Assistant

August 2015 - May 2016 | Cincinnati, OH

• Assisted district IT daily in their work. • Diagnosed and repaired district hardware. • Corrected security issues with district network systems. • Addressed staff support tickets. • Performed yearly maintenance tasks. • Took hardware inventory. • Prepared classrooms for standardized testing.

Certifications

CompTIA A+ Core 1

• Mobile devices • Networking technology • Hardware • Virtualisation • Cloud computing • Network troubleshooting

Projects

Cincinnati Cedar Crafts | Lead developer

Summer 2021

Mobile-friendly e-commerce store for local artisan goods.

Mousehole | Lead developer, content author, repository manager

Q1 2021

Mobile-friendly blog with dark mode, written as a Mokk.

SketchSpace | Lead developer, repository manager

Summer 2018

Web app to publish comics on the internet. Uses Jekyll for static page generation.

FHSDTime | Developer

Q1 2016

The software powering the time displays throughout the Nagel Middle School building, written in VB.NET.

Dragon Ball XenoVerse Mod Installer | Developer

Q4 2015

A tool to install mods for the video game Dragon Ball XenoVerse, written in VB.NET. 52,000 downloads to date.