

Emil Sayahi

(513) 484-0972 | em@emsa.cf

Education

Turpin High School

Cincinnati, OH | September 2017 - May 2020, expected

Skills

Java • Python • Javascript • .NET Framework • C# • Visual Basic • Jekyll • HTML5 • CSS • Git • ASP.NET • Blazor • Data structures • Software design patterns • Web applications • Unix system environments

Coursework

Java, Python, Javascript

- Structures and algorithms
- Introduction to computer systems
- Principles of object-oriented programming
- Parallel and sequential data
- Software system construction
- Principles of imperative programming

Activities

Turpin High School, Peer-Tutoring Program | CS Tutor

- Sole computer science tutor
- Assist peers with Java, Python
- After school on Fridays

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, expected)

Web Presence

Website: emsa.cf

GitHub: [MadeByEmil](https://github.com/MadeByEmil)

Blog: tumblr.emsa.cf

Experience

Turpin High School, Computer Science Lab | Lead Developer

August 2019 - Present | Cincinnati, OH

- Develop backend and frontend code for Diademos, an Electron application that uses API calls, RSS feed reading, and Javascript libraries to display news articles from a variety of press outlets, along with a veritability score and tone detection for each article. Implements Indiana University's Hoaxy API.
- Leading a 3 person development team for deck, an experimental livestreaming platform that aims to make P2P, HLS live video, the industry standard for live media delivery.
- 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.

Projects

Up | Lead developer, repository manager

Summer 2019

Web app to upload and download files without a server. Uses Git for file uploads, GitHub API for page population.

SketchSpace | Lead developer, repository manager

Summer 2018

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

Basic-Jekyll | Lead developer, repository manager

A port of 'Basic,' a blog template coded for Pelican (Python-based), to Jekyll (Ruby-based).

FHSDTime | Developer

Q1 2016

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

VBCalc | Developer

Q3 2015

A WinForms GUI calculator program, written in VB.NET.