LUKE WEILER

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EDUCATION

The Ohio State University Columbus, OH
BS Computer Science and Engineering | Officer at Competitive Programming Club   August 2021 - May 2024

Avon High School Avon, OH
High School Diploma August 2017 - May 2021

WORK EXPERIENCE

Ohio Supercomputer Center Columbus, OH / Remote
Student Software Developer February 2022 - Present

- Created a dashboard that displays information about the status of various supercomputer resources.
- Wrote and published many features and bug fixes for the OpenOndemand web app, a gateway enabling researchers to utilize the world's most powerful supercomputers.
- Utilized Ruby and Ruby on Rails, Linux, Github, Node.js, Bash, Slurm.

Monkeytype Remote
Project Contributor April 2021 - August 2021

- Created the MongoDB database, Express.js API and the connecting client code for Monkeytype.com, a site that serves over 100k unique visitors each day.
- Immediately reduced costs by 70 percent and slowed the rate of increasing cloud service costs.
- Worked with the owner/lead developer and a more experienced professional to ensure a smooth deployment.
- Used Javascript, MongoDB, Node.js, Express.js, Linux, Git.

SKILLS

Programming Languages:	Python, Javascript, Ruby, C/C++, HTML, CSS, Java, SQL, Dart, Pug
Frameworks:	React, Express.js, Ruby On Rails, Flask, Next.js, Flutter
Tools/Platforms:	Linux, Git, GitHub, Relational Databases, MongoDB, Web Developer Tools
.:	VS Code, Windows, Microsoft Office, Nginx, Firebase, Figma

CERTIFICATES

JPMorgan Chase Virtual Internship August 2022

PROJECTS

Ideaspot *Python, React, Flask, Nginx, Mongodb, Linux* https://ideaspot.org
A website where users can store, share, discuss, vote on, and manage their ideas.

Congol *Javascript, Express.js, Pug, MongoDB, Node.js, Browserify, Socket.io, CSS* https://congol.net
A website that allows users to play Conway's Game of Life with 2 players competing live over the internet.

Stem Player Online *Javascript, Web Audio* https://stemplayeronline.com
A web application that enables users to manipulate their music in a way similar to the popular Stem Player device created by Kanye West. Used by an average of 1000 people per week.

3cards *Next.js* https://lukew3-3cards.netlify.app
A web3 application that allows users to create and share flashcard sets stored on the Arweave, a decentralized blockchain-like storage network.

mathgenerator *Python, Object Oriented Programming, Github* https://github.com/lukew3/mathgenerator
Created and maintain an open-source python package that generates a wide variety of math problems. Package has 90 stars on Github and has around 1000 downloads per month.

Flag Quiz *Flutter, Dart* https://github.com/lukew3/flag-quiz
A flutter app where users can test their knowledge of national flags.

BeautifulVHS *Three.js, Webpack, Javascript* https://github.com/lukew3/beautifulvhs
A website that displays a moving, 3d rendering of old vhs covers.

Recolorbot *Python, PRAW, REST API* https://github.com/lukew3/recolorbot
A Reddit bot that colors black and white images using an AI image coloring API

Ghlog *Python, Click* https://github.com/lukew3/ghlog
A command line application to upload journal entries to a Github repository.