

LUKE WEILER

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EDUCATION

Avon High School

High School Diploma *GPA: 4.3W/3.9UW*

Avon, OH

August 2017 - May 2021

The Ohio State University

BS Computer Science and Engineering

Columbus, OH

August 2021 - December 2024

WORK EXPERIENCE

Monkeytype

Project Contributor

Remote

April 2021 - August 2021

- Created a new express.js and mongodb backend for monkeytype.com, an open-source typing website with 5k stars on Github and over 100k daily unique site visitors.
- Rewrote front-end javascript to enable usage of the new api.
- Reduced website's costs from about \$500 per month to about \$150 per month.
- Communicated extensively with lead developer and another teammate.
- Used javascript, mongodb, node.js, express.js, linux and git.

SKILLS

Programming Languages: Python, Javascript, C++, Ruby, HTML, CSS, Java, Pug
Frameworks: Flask, React, Express.js
Databases: PostgreSQL, MongoDB, Firebase
Tools/Platforms: Linux, Nginx, Windows, Git, Figma, Microsoft Office

PROJECTS

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 competing players across the internet.

mathgenerator Python, Github <https://github.com/lukew3/mathgenerator>
Created and maintain an open-source python package that generates a wide variety of math problems.
Package has 70 stars on Github and had 1000 downloads last month.

Ideaspot Python, React, Flask, Nginx, Mongodb <https://ideaspot.org>
A website where users can store, share, search, discuss, vote on, and manage their ideas. Deployed the site to a live linux server.

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

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

Londree React Native, Python, Flask <https://github.com/HrushikC/londree>
Currently creating a mobile/web app to keep track of the availability of laundry machines inside college dorms using React Native.

Todarith Python, Flask, PostgreSQL <https://github.com/lukew3/todarith>
Created a website that hosted a database of user-submitted and machine-generated math problems. Planned to be used for generating math problems and solutions using machine-learning.

Recolorbot Python, PRAW, REST API <https://github.com/lukew3/recolorbot>
A reddit bot that colors black and white images using a deep learning image coloring API. Host the converted images on a python web server.

Worksheetgen Python <https://github.com/lukew3/worksheetgen>
A python package that creates a printable pdf of a math worksheet. Created with the intention of being used with mathgenerator to create random math worksheets.

Vid2slides Python, ffmpeg, Pillow, Computer Vision <https://github.com/lukew3/vid2slides>
A python program that takes in a video of a slideshow presentation and uses opencv to detect differences in slides. Creates a pdf containing each slide shown in the video. Also created a website that allows users to have a minimal web interface to the tool.