

Liam Sullivan Web Development & UX

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Education

Computer Science + Digital Narrative and Interactive Design

University of Pittsburgh ✎

2022 – 2026

Pittsburgh, PA

Experience

Human Engineering Research Laboratories ✎

Front End Project Intern

09/2024 – Now

Remote

- Adapts a physical booklet into a 3D skeumorphic application, showcasing HERL's research with the U.S. Department of Veterans Affairs to support disabled veterans.
- Develops a performant application with Svelte to be embedded on the HERL website.

HS-Experts ✎

Web Development Intern

05/2024 – 07/2024

Berlin, Germany

- Engineered and refactored website components through the WordPress Elementor interface.
- Implemented custom CSS rules, drawing attention to important elements through animation.

The Pitt News ✎

Senior Staff Photographer

2023 – Now

Pittsburgh, PA

- Photographs local events, sports, and cultural experiences spanning the Pittsburgh region.
- Reports to the Visual Editor, tailoring photo coverage to fit the needs of the publication.

Projects

Pokémon Teambuilder ✎

- Designed a full-stack, feature-rich web application to build both casual and competitive Pokémon Teams.
- Fetched JSON data from PokéAPI.co ✎ and pkmn.github.io ✎ to display sprites, typing, and sort by competitive tier.
- Built using Next.js, written with TypeScript and Tailwind, and deployed through Vercel.

Recipe App ✎

- Generated recipe pages from markdown to match a given schema using Astro as a Static Site Generator (SSG).
- Dynamically updated images and light/dark mode with React on the home page through Astro's island architecture.

Awards

SteelHacks XI - Best Sustainability with AI by Eaton ✎

29/09/2024

Eaton Corporation

- Awarded to a project displaying excellence in environmental sustainability powered by AI.
- Constructed a front end for a simulation in Svelte, providing interactive tree removal to promote biodiversity, accompanied by Scott Styslinger.
- Procedurally generated data on pan and zoom, culling offscreen assets to support a 640 x 640 grid of trees, water, and animals.

Skills + Interests

Languages

- HTML/CSS/JavaScript, TypeScript, Java, C

Technologies

- React, Svelte, Astro, Next.js, Tailwind, Node.js, MongoDB, WordPress, Asana, Git

Clubs

- Kappa Theta Pi (Professional Technology Fraternity), BridgePittsburgh (Political Discussion Club)

Interests

- Running, Weightlifting, Live Music, Graphic Design, Typography, Portrait Photography