# Lucas Leiby

## Contact Information

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## Education

University of Pittsburgh | Bachelor of Science in Computer Science, Cum Laude, Pittsburgh, PA, 08/2022

## Skills

### Technical

* Python/Django
* Java
* HTML5/CSS/Javascript
* Docker
* Fly.io
* WordPress
* Git/GitHub

## Personal Projects

* A general-purpose Docker project to locally develop and deploy WordPress sites to a production-ready environment
* A background desktop app to provide screen-reader Spotify users keyboard controls
* A tool to automatically patch Hearthstone to make accessible for screen reader players

## Work Experience

### Prime Access Consulting | Software Developer (January 2023 - Present)

* Piloted gathering of requirements and development of a Django app utilizing Slack integration to automatically execute company workflows
* Engineered volume and speech-rate controls on UXP hardware to enhance accessibility for blind and low-vision users at museum kiosks
* Developed and delivered a UXP hardware demo to the President of the National Federation of the Blind, showcasing tailored accessibility features
* Led development of multiple companion websites to provide museum visitors accessible experience for in-gallery attractions
* Facilitated workstreams to collect feedback on museum website formatting and styling, enabling me to personally write the CSS
* Spearheaded solution to achieve local company website development using Docker
* Managed company website production deployment workflows using mix of SpinupWP and home-grown procedures
* Orchestrated the deployment of client software for in-house accessibility testing, configuring a VPS behind the company domain with Nginx and SSL for HTTPS security
* Deployed live, web-based game with hundreds of participants on short timeline
* Led research initiatives to make IIIF spec more accessibility aware and proposed potential solutions to introduce accessibility to IIIF-compliant image viewers
* Triaged and resolved critical issue surrounding production data becoming unretrievable
* Gained critical experience in triaging and planning projects for a more streamlined development life cycle

### Prime Access Consulting | Intern (June-August 2021)

* Pioneered introduction of software enhancements to Multitap Bluetooth keypad using CircuitPython to improve VoiceOver user experience
* Introduced synchronous audio playback to immediately allow for issuing command proceeding mode of operation changes accompanied by dynamically-interruptible auditory feedback
* Developed stronger understanding of version-control system workflows using Git in a team environment