

# 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

### **Interpersonal**

- Team-oriented thinker
- Active and engaged listener
- Effective communicator
- Growth-minded
- Effective time manager

### **Core Skills**

- Writing Documentation
- Collecting Feedback
- Requirements Analysis
- Technical Writing
- Issue Tracking

## *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