

## Lucas Leiby

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## Work Experience

### *Prime Access Consulting | Software Developer (January 2023 – March 2025)*

- Architected Django app with Slack integration to automate internal tasks such as cache clearing and policy lookup, reducing task time from minutes to seconds
- Engineered Docker setup to onboard contractors in a single afternoon, replacing multi-day manual steps with automated scripts and Docker Compose
- Deployed company websites via SSH and SpinupWP, managing servers and Cloudflare cache
- Automated Word-to-Excel client report generation, replacing a 10-minute manual task with a fast and reusable script
- Deployed client app with Docker on DigitalOcean server, configured with Nginx and SSL to allow teammates to securely run accessibility evaluations in the browser without local setup
- Implemented speech volume and rate controls for custom accessibility keypad, enabling blind users to interact with museum kiosks
- Spearheaded development of two Hugo-based companion websites providing accessible wall text and image descriptions for blind museum visitors via QR code integration
- Coordinated accessibility-driven CSS updates to improve text spacing and formatting on live Hugo site based on teammate feedback
- Deployed Flask-based multiple-choice game to engage over 500 users at conference and convention events, built and launched under tight, two-week deadline
- Researched accessibility gaps in IIIF spec and common image viewers, drafting proposed metadata enhancements to support alt text and visual descriptions
- Recovered from production Postgres failure in a Rails app by rescuing unmounted Docker volume and documenting recovery steps
- Planned and triaged internal tool and web app projects, converting Slack feedback into GitHub issues with scoped estimates and dev notes

## Skills

- Languages: Python, Java, HTML, CSS, JavaScript
- Frameworks: Flask, Django
- DevOps & Cloud: Docker, Nginx, Linux/Unix, Cloudflare, Linode, DigitalOcean, Fly.io
- CI/CD & Automation: Git, GitHub Actions
- CMS & Hosting: WordPress, SpinupWP

## Education

University of Pittsburgh, Pittsburgh, PA

B.S. in Computer Science, Cum Laude (August 2022)

## Technical Projects

- Dockerized WordPress dev and production pipeline for local and cloud hosting
- Built Spotify keyboard control desktop app for screen reader accessibility
- Automated Hearthstone patching to provide accessibility for blind users
- Deployed URL shortener for friends and personal use with custom domain