Lucas Lorenz

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EDUCATION

University of South Florida — Tampa, FL
Bachelor of Science in Information Science — *Graduated: May 2025*

EXPERIENCE

Ambassador — Jan 2024 – Jun 2024
Busch Gardens Tampa — *Tampa, FL*
- Assisted guests with navigation, rentals, and general support
- Communicated effectively with rotating coworkers
- Managed retail tasks including stocking and merchandise organization

Data Entry Specialist / Trainer — May 2022 – Aug 2022
API Processing, Inc. — *Fort Lauderdale, FL*
- Entered license data with precision across multiple forms
- Trained a replacement employee on workflow and data accuracy

Administrative Support — 2019, 2021, 2022
AK Building Services — *Fort Lauderdale, FL*
- Performed administrative tasks while handling sensitive internal documents
- Maintained organizational structure and office support systems

PROJECTS

ComboCodex | *Django, DRF, Discord.py, HTMX, Cloudflare* — 2022 – Present
- Solo-built platform for sharing Brawlhalla team combos; serves 25K daily requests and 1K users
- Developed full REST API and integrated Discord bot for automated community submissions
- Designed scalable video hosting with caching strategies for 50GB+ of media
- Rebuilt multiple times to improve frontend modularity and backend performance

BrawlDatabase | *Django, HTMX, Hyperscript* — 2022 – 2024
- Standalone public reference database for Brawlhalla combos
- Used HTMX for fast interactive filtering and display; serves 20K daily requests

Django Hyperscript + Hyperscript Dump | *Python, Django, Hyperscript* — 2024 – Present
- Released two PyPI libraries to streamline Python-to-Hyperscript data integration
- Used in dynamic interfaces to serialize Python structures into client-side behavior
- Split into a Django template tag tool and a reusable standalone serializer

Adams' River Deck (WIP) | *Django, HTMX, Hyperscript, SCSS* — Apr 2025 – Present
- Commissioned restaurant website project with a backend built for modularity and flexibility
- Implements dynamic slot-based menu scheduling with strong emphasis on caching and automatic invalidation
- Designed SCSS and HTML to be fully modular for re-theming and layout flexibility

Portfolio Website | *Django, SASS, HTMX, Hyperscript* — Nov 2024
- Personal website to present skills, libraries, and project portfolio
- Built with performance-first modular SCSS and accessible, interactive frontend
- Live at lucaslorenz.com, designed for clarity and responsiveness

Technical Skills

Languages: Python, JavaScript, HTML, CSS/SASS, SQL

Frameworks: Django, Django Rest Framework, HTMX, Hyperscript, Discord.py, Django Channels, Django Ninja, Flask, Django Allauth, JQuery

Frontend: Modular SCSS, responsive clamp-based design, ARIA/Accessibility

Databases: PostgreSQL, SQLite, Django ORM (optimized queries, relational structures)

Deployment: Railway, PythonAnywhere, Docker (basic), Cloudflare Pages, R2, WAF

Tools: Git, Redis (explored), OpenAI API, WebSockets, REST APIs

Explored: React, Vue, Svelte

Other: Emphasis on readable and maintainable code (PEP8, DRY principles), solo project ownership, caching strategies, community oriented design