

Lillian Lemmer

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Experience

Thinkful, Mentor, Aug 2015-Present

Freelance *Programming in Python* course mentor. Remote one-on-one teaching sessions.

- Independent and self-sufficient; created own curriculum atop of the generic Python course in order to tailor students' learning experience to their goals.
- Warm, friendly demeanor; known for being a sweetheart; childish enthusiasm for the joys of learning, teaching, and sharing software engineering.
- Curriculum teaches Flask, SQLAlchemy, and friends (Jinja, etc.).
- Highly available; wonderful track record of communication.

Group Medical Supply, Software Engineer, Aug. 2012-Feb. 2015

Full time software engineer. Lead developer for all software projects including E-commerce and programming retail automation. Partially remote.

- Created inventory and retail management software in Python, which standardized data from OpenCart, Amazon, and eBay to a centralized database.
- Developed an easy-to-use web interface for my inventory and retail management software with Python and Flask.
- Developed software which updated shipping information on respective ecommerce sites; items would be updated as *fulfilled* through bar-code scanning when sent for delivery.
- Created rule-based retail pricing automation based on competitor report metrics.
- Programmatically: maintained inventory information, assured data integrity, generated sales and inventory reports.
- Created company retail websites. Customized OpenCart installation, e.g., multi-store shared sessions, backend inventory tools.
- Maintained systems: full stack developer and DevOps administrator, maintained and deployed Debian, CentOS, FreeBSD servers.

Academic Arts, IT Manager, 2008-2012

Full time IT project manager and website developer.

- Developed school's website using Wordpress, maintained website server on a Linux platform
- Built scripts in Python to automate network and server administration tasks.
- Provided clear documentation with a wiki for my software and the network

- Trained replacement staff before leaving project
- Worked with school board to address goals in terms of progress, implementation, and requirements

Projects

Hypatia: Began October 2014

<https://github.com/lillian-lemmer/hypatia>

- 2D action adventure game engine, written in Python
- 10,000 downloads a month from PyPi alone
- Supports FreeBSD, Linux, Windows, and Mac
- Usable by non-programmers, but also boasts clean code and superb docstrings
- Thorough wiki, large userbase and web presence

Sakura CMS: Began November 2013

<https://github.com/lillian-lemmer/sakura-cms>

- Static site generator, written in Python
- Plugin system

Modconf: Began March 2015

<https://github.com/lillian-lemmer/modconf>

- Command line modem configuration generator, written in Python
- Comprehensive usage documentation

Formhandler

<https://github.com/lillian-lemmer/formhandler>

- Automate development of web interfaces for Python functions

Technology Summary

Languages/Programming: Python, CSS, JavaScript, HTML (W3C-compliant!), XML, Lua, PHP, BASH

Platforms: FreeBSD, Linux (Fedora, CentOS, Debian, Ubuntu), Windows & Windows Server

Databases: PostgreSQL, SQLite, MySQL

Tools & Systems: git, nginx, ezjail-admin, vim, sshd, Apache, php-fpm, GIMP, uWSGI, VirtualBox, bhyve, Wordpress

Libraries & APIs: pygame, Flask + Jinja, Amazon MWS, lxml, BeautifulSoup, requests