


Faizan Malik

Software Developer

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Social

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Education

 PCEP
Certified Entry-Level Python Programmer

 Coursera
Google IT Support Specialization

 PU University
BS in a STEM field

About Me

When my urge to know inner working of the computers exposed me to the world of programming, I knew that I am all in for it. Countless cycles of learning, coding, failing, re-thinking, retrying, improving have made me passionate about programming to the point that I feel like its about time to align my career with my passion.

Experience

Below you'll find projects I've completed that showcase my skills and general background in developing software for a specific problem.

Apple Info

<https://github.com/fnmalik2002/my-mac-hwInfo>

Problem

A tedious, slow and manual work to test and record Apple MacBook hardware for resale at my current job

Solution

A three part GUI software made in Python consisting of

A backend SQL database made in MariaDB which is served from a CentOS 8 server on the network

A client GUI app that runs on individual Apple computers under test. Its function is to probe hardware and send all required info to the database located in the same network

A database GUI app that runs on a network computer. It has functions like search, view and print records in the database.

*** **Actively maintaining and supporting this software for last 2 years**

Label Module

<https://github.com/fnmalik2002/MacLabelPrint>

Problem

Needed a label maker that can create and print formatted labels on cups printers on Macs from within your code. Could not find any suitable python module anywhere.

Solution

Created a python module that can be imported into your code. It takes data in the form of a dictionary and prints a formatted label for you.

Wifi Grapher

<https://github.com/fnmalik2002/Wifi-Signal-Live-Graph>

Problem

Needed a wifi signal strength graph that is plotting in real time so that one can find the wifi dead spots in the house or office.

Solution

Created a wifi signal strength plotter utility, made in Python 3.9 using MacOS terminal command output as data and Matplotlib for creating live graph on a wxPython Pane

Keyboard Tester <https://github.com/fnmalik2002/MacBook-KeyBoard-Test>

Problem

On my current job, they were using a general online keyboard tester for testing Mac which was unable to test all keys on the MacBook or full iMac keyboard.

Solution

Created a keyboard tester using Python 3.9 specifically designed for MacBook Pro as well as for full size Apple keyboard for iMacs with complete keyboard layout made in wxPython.

Portfolio Website <https://fnmalik2002.github.io/faizanmalik.github.io/>

Problem

Didn't have a personal portfolio website to showcase my work

Solution

Designed & created a personal portfolio website from ground up. All using pure CSS, Javascript and HTML

References

References are available upon request