PYTHON PROGRAMMING

BEGINNER

Working with variables in python.
understanding data types and how to manipulate strings.

control flow and logical operators. randomization and python lists.

python loops.

python functions and karrel.

Hangman.

function parameters and Caesar cipher dictionaries, nesting and the secret auction functions and outputs the blackjack capstone projects scope and number guessing game debugging how to find and fix errors in your code

higher lower game projects

INTERMEDIATE LEVEL

local development environment setup & the coffee machine object oriented programming (OOP) the quiz project and the benefits of OOP turtle and the graphical user interface (GUI) instances, state and higher order functions build the snake game part 1 animation and coordinates build the snake game part 2 inheritance and list slicing

building pong the famous arcade game

PYTHON PROGRAMMING

the turtle crossing capstone project files, directories and paths working with CSV data the pandas library list comprehension and the NATO alphabet Tkinter, Args, Kwargs and creating GUI programs

tkinter, dynamic typing and the Pomodoro GUI applications

building a password manager GUI app with tkinter

errors, exceptions and JSON data improving the password

flash card app capstone project send email (smtplib) and manage dates (datetime)

Api endpoints and api parameters -ISS Overhead notifier

Api practice – creating a GUI Quiz App keys, authentication and environment variables send sms

stock trading news news alert project habit tracking project api post requests and headers

workout tracking using google sheets capstone part 1 flight deal finder capstone part 2 flight club

WEB FOUNDATION

Introduction to HTML
Intermediate HTML
Introduction to CSS

PYTHON PROGRAMMING

Intermediate CSS

INTERMEDIATE

web scraping with beautiful soup create a Spotify playlist using the musical time machine create an automated amazon price tracker selenium web driver browser and game playing bot automating job applications on Linked in auto tinder swiping bot Internet speed twitter complaint bot Instagram follower bot web scraping capstone – data entry job automation introduction to web development with flask HTML and URL parsing in flask and the higher lower game rendering HTML static files and using website template web foundation bootstrap

ADVANCED

blog capstone project part 2 – Adding styling make POST requests with flask and HTML forms building advanced forms with flask-Wt forms flask, Wt forms, bootstrap and csv – coffee and WiFi project databases and with SQLite Alchemy my top 10 movies websites

PYTHON PROGRAMMING

web design school – how to create a website that people will love

building your own API with Restful routing blog capstone project part 3 – Restful routing authentication with flask

blog capstone project part 4 – adding users deploying your web application with digital ocean

data exploration with pandas college major vs your salary

data visualization with matplotlib programming languages

aggregate and merge data with pandas analyses the LEGO data set

google trends data re sampling and visualizing time series

beautiful plot charts and analysis the android app store

computation with numpy and N-dimensional arrays

linear regression and data visualisation with seaborn

analysing the nobel prize with plotly, matplotlib and sea-born

capstone project – predict house prices