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# SHONNER PRESS

## *PyTravLITE*

- 033 Crewman Tach Y. Virlie [285B45]  
Male, age 48, Upper Low class, 7-term Merchants  
Carouse 2, Deception 0, Economics 1, Jack of all Trades 0, Persuade 3, Seafarer 0,  
Small Craft 1, Sophontology 0, Spacecraft 1, Steward 0, Survival 0, Vilani 2  
Worried about current situation
- 034 Extra Ipan V. Uwisa [975595]  
Male, age 29, Dregs of Society class, 3-term Entertainer  
Computers 0, Holography 0, Jack of all Trades 0, Persuade 0, Riding 0, Steward 0,  
Streetwise 0, Survival 0, Trade 0, Vilani 1, Wheeled 0, Wing 0  
In debt to criminals
- 035 Marchioness Joma Ostim Ihestener of Epedese [97868D]  
Female, age 35, Low Upper class, 5-term Navy  
Admin 0, Anglic 0, Animals 0, Jack of all Trades 0, Leadership 0, Maneuver Drive 0,  
Ortillery 0, Sail 0, Seafarer 0, Sensors 1, Spacecraft 0, Streetwise 0,  
Submarine 0, Trade 0, Vilani 1  
Secret anagathic user

## **PyTravLITE Guide** ***Release 0.3.6 (First Printing)***

**Shawn Driscoll**

**11/10/2023**



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## OVERVIEW

This documentation explains how to install and use **PyTravLITE** for Traveller NPC generation.

What began as a DOS prompt NPC generator escalated into a web-browsed one...

**PyTravLITE** is an easy-to-use open source NPC generator for Mongoose Traveller 1st and 2nd Editions. It's written in Python 3.11 and includes **pydice** for its die rolling. Source for **pydice** can be found at its [GitHub](#) repository.

**PyTravLITE** features minor logging and error tracking at this time.



## INTRODUCTION

### 2.1 Preface

I am an old-school computer programmer from the 1970s.

That sounded redundant after reading it. Oh well. Hardly anyone still uses that term these days. Everyone is an app developer now. Or a coder. Most write for phones instead of computers. And their code is pretty much connected at the hip to the web.

I'll face it, everything is web-based now. Years would go by and I'd think about figuring a way to make my computer programs work on the Internet. Or at least run in a web browser. But after reading the books and seeing the complications involved, I'd go back to programming computers the way I knew how.

Like I said before, I've been programming computers for a long time. I've tried so many languages over the years. And when I gave Python a try, I ceased using anything else. Python was the language I had been waiting for. I have books on C/C++, MS Visual Studio, BASIC, Lisp, Pascal, FORTRAN, ASM, and so many others that I won't look at again.

One thing nice about Python is that something cool comes out for it every day. Some of the things that have come out are web page servers, which run in the background on your computer and listen for requests from web browsers. Some have been around for years, like [Django](#) and [Flask](#).

One doesn't often think "Python" when developing a web site. But it can do the job, surprisingly. Of course, knowing HTML is still a requirement. The trick is also getting Python to output HTML "code." For that, I recently chose to use [Bottle](#) because it's more minimal compared to Django and Flask.

I spent a day learning Bottle. That's how easy it was to set up and start using. I just wish I had thought of doing it sooner.

-Shawn

### 2.2 Requirements

- **Microsoft Windows**

**PyTravLITE** has been tested on Windows 11 and 10.

- **Python 3.11**

**PyTravLITE** was written using the C implementation of Python version 3.11. Also known as CPython.

- **bottle 0.12.25**

bottle is the web framework used for serving the web page requests.





## INSTALLING

Installing and using **PyTravLITE** seems simple enough. Just download the archive from [GitHub](#) and extract it to a folder you prefer.

### 3.1 Running PyTravLITE

If you have Python 3.11 installed, you can start `PyTravLITE.py` from a CMD prompt or double-click the Python script.

Alternatively, if you do not have Python 3.11, you can start `PyTravLITE.exe` (located in the `dist` folder) from a CMD prompt or by double-clicking the executable program.

Output to DOS has been deprecated in this version.

*New in version 0.1.0*

Either way, the HTTP web server will start. Then open your web browser and enter <http://localhost:8080/generate> for its URL.

*Bottle uses a simple and lightweight **WSGI** micro web-framework for its built-in HTTP server for Python.*



## WHAT'S NEW?

### 4.1 New in version 0.3.6

Updated to Python 3.11.6. Random names generator has been tweaked a bit.

New in version 0.3.5

Updated to Python 3.11.0.

New in version 0.3.2

Removed most of the generic skills in favor of specialized ones. 199 NPC's can be generated at once now. Some NPCs will default to speaking Vilani instead of Anglic.

New in version 0.3.1

Renamed skills back to their original Mongoose Traveller names.

New in version 0.3.0

Colorama is no longer required.

New in version 0.2.7

Default dice roll choice is now 2D6 if left blank.

New in version 0.2.6

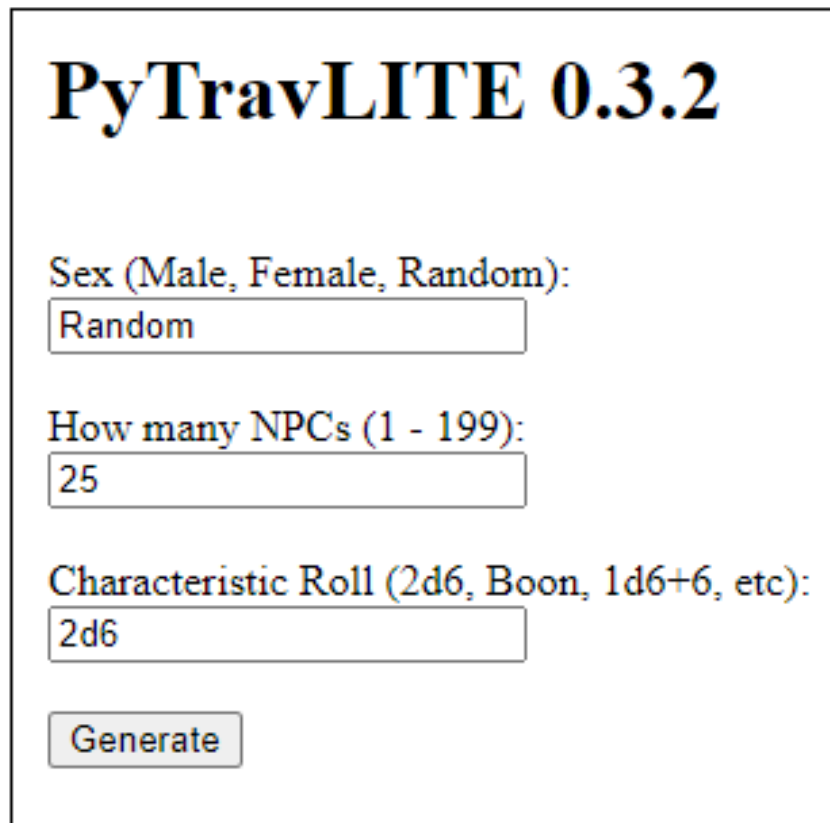
Quirks have been added to NPC character blocks.



## PYTRAVLITE TUTORIAL

### 5.1 The Screen

In your web browser you will see:

A screenshot of a web browser displaying the PyTravLITE 0.3.2 interface. The title "PyTravLITE 0.3.2" is at the top in a large, bold, black serif font. Below it are three input fields with labels: "Sex (Male, Female, Random):" with "Random" entered, "How many NPCs (1 - 199):" with "25" entered, and "Characteristic Roll (2d6, Boon, 1d6+6, etc):" with "2d6" entered. At the bottom is a "Generate" button.

**PyTravLITE 0.3.2**

Sex (Male, Female, Random):

How many NPCs (1 - 199):

Characteristic Roll (2d6, Boon, 1d6+6, etc):

## 5.2 Generating NPCs

For **Sex**, there are three choices:

*Male* = Generate Male NPCs only

*Female* = Generate Female NPCs only

*Random* = Generate NPCs of either sex

The default value is *Random*.

**Warning:** Your inputted data is **case-sensitive**.

For **How many NPCs**, choose a value from 1 to 199.

The default value is 25.

For **Characteristic Roll**, you may enter a roll type that you are familiar with when doing your Traveller character generation. The common **Characteristic Roll** is *2d6*. Not so common rolls are *Boon* and *1d6+6*.

**Warning:** Whichever roll type you enter, keep in mind that the roll result range **must not be larger** than 2 - 15.

The generated NPCs will output in this format:

```

033 Crewman Tach Y. Virlie [285B45]
    Male, age 48, Upper Low class, 7-term Merchants
    Carouse 2, Deception 0, Economics 1, Jack of all Trades 0, Persuade 3, Seafarer 0,
    Small Craft 1, Sophontology 0, Spacecraft 1, Steward 0, Survival 0, Vilani 2
    Worried about current situation

034 Extra Ipan V. Uwisa [975595]
    Male, age 29, Dregs of Society class, 3-term Entertainer
    Computers 0, Holography 0, Jack of all Trades 0, Persuade 0, Riding 0, Steward 0,
    Streetwise 0, Survival 0, Trade 0, Vilani 1, Wheeled 0, Wing 0
    In debt to criminals

    Marchioness Joma Ostim Ihestener of Epedese [97868D]
035 Female, age 35, Low Upper class, 5-term Navy
    Admin 0, Anglic 0, Animals 0, Jack of all Trades 0, Leadership 0, Maneuver Drive 0,
    Ortilery 0, Sail 0, Seafarer 0, Sensors 1, Spacecraft 0, Streetwise 0,
    Submarine 0, Trade 0, Vilani 1
    Secret anagathic user
  
```

NPC names typically will start with a title, depending on their career or their social standing. Characters of nobility will have longer names and include the homeworld they are from.

Next is the NPC's UPP, their sex, and age. The social class that the NPC was raised in is shown, along with how many terms they were in a career.

Followed by the NPC's list of skills.

And last is the NPC's quirk.





## SAVED DATA

*New in version 0.2.0*

The data of the generated NPCs will be saved in the data folder as a **JSON** file called `PyTravLITE_NPCs.json`. The file can be opened with a text editor. It can also be viewed somewhat better using the included `JSON_pretty_print.py` Python script.

A sample JSON pretty printing of the file looks like this:

```
C:\>JSON_pretty_print.py
{'Age': 43,
 'Career': 'Citizen',
 'DEX': '7',
 'EDU': 'A',
 'END': '6',
 'INT': '6',
 'Quirk': 'Makes very bad jokes',
 'SOC': '6',
 'STR': '4',
 'Sex': 'Male',
 'Skills': {'Advocate': 1,
            'Civil Engineering': 0,
            'Computers': 1,
            'Holography': 0,
            'Jack of all Trades': 1,
            'Mechanic': 1,
            'Navigation': 0,
            'Seafarer': 0,
            'Slug Pistol': 1,
            'Space Construction': 0,
            'Steward': 0,
            'Vacc Suit': 0,
            'Vilani': 0,
            'Zero-G': 0},
 'Social_Class': 'Low Middle',
 'Terms': 6,
 'Traveller_Name': 'Citizen Broshen O. Welsach'}

{'Age': 39,
 'Career': 'Navy',
 'DEX': '4',
```

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```
'EDU': '5',
'END': '7',
'INT': '7',
'Quirk': 'Distracted by other worries',
'SOC': 'D',
'STR': 'A',
'Sex': 'Male',
'Skills': {'Blade': 0,
           'Carouse': 0,
           'Co-ordination': 0,
           'Computers': 1,
           'Diplomat': 0,
           'Jack of all Trades': 0,
           'Naval Tactics': 1,
           'Ortillery': 0,
           'Sail': 0,
           'Small Craft': 0,
           'Spacecraft': 0,
           'Trade': 0,
           'Vilani': 0,
           'Wing': 0},
'Social_Class': 'Low Upper',
'Terms': 5,
'Traveller_Name': 'Marquis Hech Sewenn Inshi of Oget'}
```

## OPEN SOURCE

### 7.1 MIT License

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### 7.2 Contact

Questions? Please contact [shawndriscoll@hotmail.com](mailto:shawndriscoll@hotmail.com)



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## ABOUT THE AUTHOR



Shawn Driscoll is an American artist. Computers are his main creation tool. His many hobbies are in sync with his being a student of all sciences. Some of which are discussed in length on his [YouTube](#) channel.