SAMUEL JACOBO
GARAVITO SEGURA

APPLYCATION

Mathematician
PYTHON/RPA Developer

PERSONAL INFO

Name: Samuel Jacobo Garavito Segura.
I.D. 1192798537.
Date of Birth: 06/01/2001.
Place of Birth: Bogotá D.C. Colombia.
Marital Status: Single.
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GitHub: https://github.com/SgaravitoWp

PROFILE

Mathematics student with operational experience working as a Python/RPA developer and debugger in charge of finding solutions for data extraction and manipulation. Front-end Web experience with HTML5, CSS3, JavaScript and Bootstrap. Able to create responsive and attractive websites. Data Science experience with IPython/Jupyter Notebooks. Able to implement, document and interpret regression models results for decision making. Proficiency in Python (2 years) with different frameworks using object-oriented programming together with control versioning tools such as Git and Github. Good statistical/ mathematical background and experience working with hypothesis testing, goodness of fit and regression models.

LANGUAGES

Spanish	**Native Speaker**
English	**Fluent (C1 level)**

WORK EXPERIENCE

From MAR/2022 to present
(Bogotá D.C. - Colombia)

Pidgin Contact Solutions
Python Developer
Tasks: In charge of task automation by means of RPA's for data extraction and manipulation with Python. Besides, responsible of debugging tasks of form and efficiency.

Main packages: Selenium WebDriver and Pandas.

LinkedIn:
https://www.linkedin.com/company/pidgin-contactsolutions/mycompany/

From AUG/2021 to present
(Bogotá D.C. - Colombia)

FreeLancer
Tasks: In charge of providing solutions for the projects entrusted. For example: Web design, statistical reports, API design, etc.

Main packages: NumPy, Pandas, Matplotlib, Django, JavaScript and Bootstrap.

EDUCATION

2018 to present Bogotá D.C. Colombia	**Degree: Mathematician aspirant** *National University of Colombia*
2017 Bogotá D.C. Colombia	**Degree: Academic Bachelor** *Liceo of Cervantes Augustinian Priests*

CERTIFICATES

2022 Bogotá D.C. Colombia	**Python Specialization** *Michigan University (United States)* **Courses** 1. **Programming for Everybody (Getting Started with Python) (Done)** 2. **Python Data Structures (Done)** 3. **Using Python to Access Web Data (Done)** 4. **Using Databases with Python (Done)** 5. **Capstone: Retrieving, Processing, and Visualizing Data with Python (In progress)**
2022 Bogotá D.C. Colombia	**Introduction to control versioning with Git and GitHub** *Andes University (Colombia)*
2021 Bogotá D.C. Colombia	**Software Development Diploma** *North University (Colombia)*
2021 Bogotá D.C. Colombia	**Programing Fundamentals Diploma** *North University (Colombia)*
2021 Bogotá D.C. Colombia	**Basic Programming Diploma** *North University (Colombia)*

SKILLS

Python	NumPy Pandas Matplotlib Scipy Flask FastAPI Selenium
Web development	HTML5 CSS3 JavaScript Bootstrap
Other	C++ LaTeX

PROJECTS

From FEB/2022 to present

About me
Github repository with all my completed and in progress projects.

- **Percolation and Critical Probability Project:** In this project, together with my partners Jose Beleno and Luis Rojas, we studied the percolation process through a computational simulation.
- **Evaluation of Random Number Generation Methods Project**: In this article, together with my partners Fabian Ruiz and Heldert Villegas, we studied the randomness of sequences from three (3) pseudo-random number generators by means of three (3) randomness tests.
- **Jackknife and BootStrap Project:** In this article, together with my partner Julian Pulido, we describe the resampling techniques Jackknifing and Bootstraping accompanied by two use cases implemented in Python and R correspondingly for exemplification.

- **Bayesian Perspective Project:** In this article a study of Bayes' methodology from the perspective of Math's Criticism is made.

GitHub Repo:
https://github.com/SgaravitoWp/About_Me.git

JUN/2022

OlimAPI
Here you can find an API designed for managing the execution of an RPA that queries company information on the portal https://www.einforma.co/buscador-empresas-empresarios.

GitHub Repo:
https://github.com/SgaravitoWp/OlimpiaIT.git