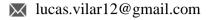
# Lucas Cecílio Vilar

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### About me

Hi, my name is Lucas Vilar. I am a junior Python developer from Brazil. I have a Master's degree in Microbiology, and a Bachelor's degree in Microbiology and Immunology from Federal University of Rio de Janeiro. I have been doing research in academia for six years, since my first semester in the university. During this time, I have published five scientific papers in international journals (and one manuscript in the submission process as first author), won several awards and grants, and presented my research at national and international conferences. After finishing my Master's, I started my career transition to be a Python developer. To reach this objective, I started a Bachelor's degree in Computer science and did several courses in Python programming.

# **Objective**

Get a first job as Python developer.

## **Education**

| 2023 – Present | Bachelor degree in Computer Science<br>Estácio de Sá University  |
|----------------|--|
| 2021 – 2023    | Master of Science in Microbiology Federal University of Rio de Janeiro                                       |
| 2018 – 2021    | <b>Bachelor of Science in Microbiology and Immunology (with Honors)</b> Federal University of Rio de Janeiro |

# Research experience

| 2021 – 2023 | Federal University of Rio de Janeiro, UFRJ deMarval's Lab Diversity, antimicrobial resistance and, CRISPR systems of Coagulase-negative staphylococci isolated from Guanabara Bay, Brazil |
|-------------|---|
| 2020 – 2021 | Federal University of Rio de Janeiro, UFRJ<br>Moreira's Lab<br>Molecular epidemiology of pandemic <i>Escherichia coli</i> lineages  |
| 2018 – 2020 | Federal University of Rio de Janeiro, UFRJ<br>Moreira's Lab<br>Acquisition of antimicrobial resistance determinants in <i>Enterobacterales</i>  |

by international travelers from Rio de Janeiro, Brazil

#### Extracurricular courses

- 2023 Code version control with Git e GitHub DIO 2h
- **2023** Python developer Course DIO 64h
- 2023 Build Python Web Apps with Django Codecademy
- 2023 Design Databases with PostgreSQL Codecademy
- **2023** Analyze Data with SQL Codecademy
- 2023 Learn SQL Codecademy
- **2023** Learn Advanced Python 3 Codecademy
- **2023** Learn Intermediate Python 3 Codecademy
- **2023** Learn Python 3 Codecademy
- **2022** Introduction to computing for bioinformatics 40h Federal University of Minas Gerais
- **2022** Statistics with R language 18h Udemy
- 2016 JAVA programming 100h CAELUM

## **Skills**

- Python
- Django
- Flask
- SQL
- PostgreSQL
- MongoDB
- Code version control

# Languages

English: Advanced – Spanish: Basic – Portuguese: Native

### **Awards and Grants**

- 2022 Master's Fellowship for outstanding students Fundação de amparo à pesquisa do estado do Rio de Janeiro (FAPERJ)
- **2021** Bachelor's degree in Microbiology and Immunology with *Cum Laude* honor Federal University of Rio de Janeiro

- 2020 Outstanding team work due to the great professionalism and commitment during the organization of the event "26<sup>a</sup> Microbiology and Immunology week at Federal University of Rio de Janeiro".
- **2020** Research project received an honorable mention at 26<sup>a</sup> Microbiology and immunology week at Federal University of Rio de Janeiro
- **2019** Research project received an honorable mention in medical microbiology category at 25° Microbiology and immunology week at Federal University of Rio de Janeiro
- **2019** Research project received an honorable mention at 10<sup>a</sup> Academic integration week at Federal University of Rio de Janeiro

#### **Publications**

- 2023 MARTINS-SILVA, P., DIAS, C. P., VILAR, L. C., DE QUEIROZ SILVA, S., ROSSI, C. C., GIAMBIAGI-DEMARVAL, M. Dispersion and persistence of antimicrobial resistance genes among *Staphylococcus* spp. and *Mammaliicoccus* spp. isolated along a swine manure treatment plant. **DOI:** 10.1007/s11356-022-24725-8
- 2022 SOUZA-SILVA, T., ROSSI, C. C., ANDRADE-OLIVEIRA, A. L., VILAR, L. C., PEREIRA, M. F., PENNA, B. A., GIAMBIAGI-DEMARVAL, M. Interspecies transfer of plasmid-borne gentamicin resistance between *Staphylococcus* isolated from domestic dogs to *Staphylococcus aureus*. Infection Genetics and Evolution. DOI: 10.1016/j.meegid.2022.105230.
- 2022 RODRIGUES, K. M. P., DE-REZENDE, D. F., PINTO, M. P., TUFIC-GARUTTI, S. S., RAMALHO, J. V. A., LONGO, L. G. A., GIRÃO, V. B. C., DE-OLIVEIRA, G. C., VILAR, L. C., MOREIRA, B. M. High levels of gut carriage of antimicrobial-resistant *Escherichia coli* in community settings in Rio de Janeiro, Brazil. Brazilian Journal of Microbiology. DOI: 10.1007/s42770-021-00673-2.
- 2021 TUFIC-GARUTTI, S. S., RAMALHO, J. V. A., LONGO, L. G. A., DE-OLIVEIRA, G. C., ROCHA, G. T., VILAR, L. C., DIAS-DA-COSTA, M., PICÃO, R. C., GIRÃO, V. B. C., SANTORO-LOPES, G., MOREIRA, B. M., RODRIGUES, K. M. P. Acquisition of antimicrobial resistance determinants in Enterobacterales by international travelers from a large urban setting in Brazil. Travel Medicine and Infectious Disease. DOI: 10.1016/j.tmaid.2021.102028.
- 2021 PINTO, T. C. A., OLIVEIRA, L. M. A., DA-COSTA, N. S., ROCHA, A. A., FREIRE, A. R. T. M., GUTIERREZ, C. M. F., SANTOS, C. M., ALVIM, D. C. S. S., NERY, D. C. M., PINTO, I. B. F., SIMÕES, L. C., VILAR, L. C., SILVA, L. M. B., DA-SILVA, L. M. R., SANTOS, M. L. R., DE-ARAÚJO, N. A., PINTO, T. N., LEITE, V. C. N. Group B Streptococcus awareness month: vaccine and challenges underway. International Journal of Infectious Diseases. DOI: 10.1016/j.ijid.2021.07.056.

#### Contact

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Github: <a href="https://github.com/lucas-vilar">https://github.com/lucas-vilar</a> Portfolio: <a href="https://lucas-vilar.github.io/">https://lucas-vilar.github.io/</a>