
Lucas Cecílio Vilar

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About me

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 Estácio de Sá University
2021 – 2023	Master of Science in Microbiology Federal University of Rio de Janeiro
2018 – 2021	Bachelor of Science in Microbiology and Immunology (with Honors) 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 Moreira's Lab Molecular epidemiology of pandemic <i>Escherichia coli</i> lineages
2018 – 2020	Federal University of Rio de Janeiro, UFRJ Moreira's Lab 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
- HTML 5
- CSS 3

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^a Microbiology and Immunology week at Federal University of Rio de Janeiro”.

2020 – Research project received an honorable mention at 26^a Microbiology and immunology week at Federal University of Rio de Janeiro

2019 – Research project received an honorable mention in medical microbiology category at 25^o Microbiology and immunology week at Federal University of Rio de Janeiro

2019 – Research project received an honorable mention at 10^a 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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