

Vini Salazar, BSc

Biologist, Programmer, Scientific Diver

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About

Biologist turned programmer focusing on the marine environment, specially microbial ecology. I am passionate about the oceans, microbes, computers and teaching programming to other biologists and scientists. If you need more info about my academic work, please visit my Lattes page listed above (available in Portuguese only). Feel free to reach out by e-mail or through my GitHub profile.

Currently

Bioinformatician at Neoprospecta Microbiome Technologies.
Autonomous researcher at GOC.

Technologies

Python, R, SQL, Git, UNIX
Data and Bio Stack:

Numpy
Scipy
Pandas
Matplotlib
BioPython

Expertise

Genomic analysis, including but not limited to:

16S rRNA gene surveys
Genome assembly
SNP analysis

Informatics and programming education
Backend development with Django, database management
Statistics, Data visualization
Scientific diving, Reef Check protocols
Benchtop activities and good laboratory practices

Other skills

PADI OWSI instructor
EFR First Aid instructor
Extensive onboard experience Great communication and writing skills
English proficiency (IELTS and TOEFL exams)

Research interests

Bioinformatics, microbial ecology, marine genomics, biological oceanography, scientific diving, programming education

Education

- 2012-2018 **Universidade Federal de Santa Catarina, Brazil**
BSc Biological Sciences
Dissertation: "Programming education for biologists" available here (Portuguese only).
- 2014-2015 **The University of Queensland, Australia**
CNPq Science Without Borders study abroad student

Professional experience

- 2018 - present **Neoprospecta Microbiome Technologies** - Florianópolis, Brazil
Bioinformatic analysis
Backend development with Django
- 2016-2018 **Phycology Laboratory, UFSC** - Florianópolis, Brazil
Junior researcher
Algae physiology and response to climate change
Scientific diving
- 2013-2017 **Agua Viva Diving** - Florianópolis, Brazil
SCUBA diving instructor
- 2015 **Crystal Divers** - Bali, Indonesia
Professional Divemaster Internship
- 2015 **Australian Institute of Marine Science** - Townsville, Australia
Research assistant
Molecular biology laboratory

Awards

- 2012 CAPES scholarship 'Young Talents in Science'
- 2014 CNPq study abroad scholarship 'Science Without Borders'