

Ronald Canepa

E-Mail: rcanepa@ufl.edu

Summary

Ronald Canepa has been a professional developer for almost ten years and enjoys teaching, making technology approachable, and creating connections between ideas and people. Current research-related interests include doctor-patient relationships, medical humanities, global health, natural language processing, graph databases, and reproducible research.

Education

B.S. **Microbiology**, University of Florida, 2014

Research Experience

Triplett Research Lab, University of Florida

June 2014 – June 2015

Dept of Microbiology and Cell Science, IFAS

- Python programming and bioinformatic analysis, bacterial sequence analysis, genome assembly, and epigenetics
- statistical analysis in R
- Assisted graduate students with sequence analysis, assemblies, data management, programming instruction

Publications/Presentations

Davis-Richardson AG, Russell JT, Dias R, McKinlay AJ, **Canepa R**, Fagen JR, Rusoff KT, Drew JC, Kolaczowski B, Emerich DW and Triplett EW (2016) Integrating DNA Methylation and Gene Expression Data in the Development of the Soybean-*Bradyrhizobium* N₂-Fixing Symbiosis. *Front. Microbiol.* 7:518. doi: 10.3389/fmicb.2016.00518

Technical Experience

- Programming and Data: Python, C#, Javascript, R, Ruby, Perl, Bash shell, MSSQL, MySQL, and others
- System Administration: Windows, Mac, Linux; networking, security, storage
- Automated testing, git, virtualization, Docker, Vagrant, AWS and cloud computing, High Performance Computing, payment processing, infrastructure-as-code

Teaching Experience

- 3-week portion of MCB4320C: Bacterial genome sequencing and analysis, on topics of genome assembly and epigenetics, with focus on using and understanding the Pacific Biosciences platform Spring 2015

Invited Conferences, Symposiums

- American Medical Student Association Medical Humanities Institute, Virginia 2014
 - 1 of 24 students selected to attend. Over 3 days, attended talks and discussions led by medical humanities pioneers. Explored literature and poetry as they relate to patient and provider experiences and the doctor-patient relationship

Personal Interests

- Fiction writing, guitar and piano, martial arts