

Jules Tamagnan

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509 Colusa Avenue
El Cerrito, California, 94530

Jules is a self starter always on the look out for a process to improve.

EXPERIENCE

Staff Engineer

September 2016 - Current, *5.5 years*

Delphix
San Francisco, CA

- Lead a large scale organizational transformation from self-hosted GitLab to cloud GitHub.
- Create a test orchestration layer for end to end testing, used daily by hundreds of engineers and for all end to end non-regression testing.
- Establish infrastructure and best practices for the Python 2 to Python 3 transition of our 550k line of code test framework.
- Write integration between our end to end test framework and our internal release readiness and test case management system.
- Write integration for style checks and code autoformatters between our internal review tools and Jenkins.
- Implement code autoformatting and style verification for Python test framework.
- Use Terraform and Ansible to provision servers for a myriad internal applications.
- Create new internal GUI workflow testing framework and automate UI tests of enterprise software.

Programmer Analyst

May 2015 - June 2016, *13 months*

Yale SPH, CIDMA
New Haven, CT

- Create models in C++ and Python to calculate disease incidence and vaccine efficacy
- Run cost effectiveness analysis to find the best disease containment strategy and vaccine prices
- Write interactive websites to display Model and Cost effectiveness results
- Create high quality graphs for publications and presentations.

EDUCATION

Connecticut College, New London, CT

September 2012 - May 2015, *3 years*

Bachelor of Arts, Computer Science, May 2015

Bachelor of Arts, Mathematics, May 2015

TECHNICAL SKILLS

Languages: Python, Groovy, Java, C++, Elisp, Nix

Technologies and Concepts: NixOs, AWS, Terraform, Ansible, Jenkins, Git, Linux, AWS, GitHub administration, Terraform Cloud, Docker

PUBLICATIONS

- PhyInformR: phylogenetic experimental design and phylogenomic data exploration in R. BMC Evolutionary Biology.
- A Cost-Effectiveness Tool for Informing Policies on Zika Virus Control. PLOS Neglected Tropical Diseases.

PROJECTS

President of Spokespeople: Led a volunteer student bike share and repair program.
Open source work:

- Help maintain magnars/multiple-cursors.el.
- Fix various bugs in core emacs and other projects in the Emacs/Elisp ecosystem.

Related hobby projects:

- Create a 3D adventure game in C#.
- Maintain a website for my parent's family business using Hugo and Netlify.

OTHER

Spoken Languages: English, French