

# Python in OpenStack

# Introduction

- OpenStack: a cloud computing solution (1.8M loc)
- UnitedStack: a startup focus on core tech used in OpenStack
- Me: an engineer majors in OpenStack Swift and Anaconda

# Concept of Cloud Cloud Computing

- Years ago: cloud means elasticity or resource management
- Yesterday: cloud looks like web service, VPS or virtualization solution
- Now: cloud is defined in:  
<https://github.com/openstack>

# Welcome to OpenStack

- largest Python-based project and 2nd largest open source community (what about Django)
- kvm, AAA, storage, network, puppet, devops, baremetal/provision, booting, PXE
- what does a OpenStack dev looks like? (logging module)

# Go with devstack

- git clone <http://github.com/openstack-dev/devstack.git>
- cd devstack && ./stack.sh

- devops 2.0 (<http://blog.jimflying.com/?p=131>)
- CI
- rpm
- strong unit test (2000+ test cases for Swift, and 10000+ for nova)

# Contribute!

- Why? Coding pls!
- lauchpad ID + git review