Python 2.7 & Python 3
A Sacred Love Story

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Welcome.
Python Software Foundation
~18 serious projects.

100+ experiments.

OSX-GCC-Installer: 56TB of downloads.

Requests: 14.3+ million downloads.
Other Interests...

- Street Photography & Photojournalism
- Synthesizers & Music Production
- World Travel (~140,000 miles last year)
- Public Speaker (29 events last year)
Language
Early Human:

Alone with self & ideas.
Spoken Language:
Express ideas to others.
Written Language: Persists ideas over time.
Human hardware hasn't changed — The software has been upgraded.
Communication: One-to-One.

At first, language was mostly used for a single person to communicate to another single person, or a small group of people.

This is no longer the case.
Communication: One-to-Many.

- After the printing press, a single privileged entity could communicate to the masses.
- Newspapers, Books, Television, Radio, etc.
- This formed the narrative of "the public".
- Very polarizing — unifying and destructive.
Communication: Many-to-Many.
The Internet!
Communication: Many-to-Many.

- If you have access to the internet, you have access to a universe of information and ideas.
- Anyone can publish anything to any number of people, large or small. A level playing field.
- The implications of this are huge.
For the first time in Human History!

We have the technology.
Python!
The Zen of Python

>>> import this
Beautiful is better than ugly.
Explicit is better than implicit.
Simple is better than complex.
Complex is better than complicated.
I am Afraid.
I am Terrified.
Python

Python
Python 2

Python 3
This boundary divides & separates.
Afraid of Python 3?
You are not alone.
Experiential Oddities

```python
>>> b'hello' [0]
104

>>> str(b'hi')
"b'hi'"

>>> bytes(8)
b'\x00\x00\x00\x00\x00\x00\x00\x00'
```
Unicode, Codecs, & Friends.
The Standard Library is broken.
Why?
There are no users.
"Of course there are users! Everyone's trying Python 3... except me!"
Let's look at the data.
DATA
The Cheesehop (PyPi)

- The canonically accepted source of all Python package downloads and installation.
- The perfect way to measure language runtime usage distribution.
Python 2 81,501,026

Python 3 3,736,829

The Great Separation

Core Developers ↔ Python Community
The Current Duality

- Library maintainers have to double their efforts to support both Python 2 & Python 3.
- Core Maintainers will continue working in a vacuum, furthering separateness & division.
- New users will keep coming to Python 3 & Python 2 will slowly attrit into nothing.
You are the problem.
You are the solution.
The Two Become One
Look within yourself — before the Python we know & love is only a memory.
Stop waiting for the right blog post or conference talk to influence your opinion.
Have a direct experience.
Share it with us.
Look within.