Topics to Keep You Up All Night

PyCon 2010

Feedback Channel Here ☺

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Explaining OpenGLContext

To non-computer people

I Did Something Rather Silly

And it sort-of worked

That Was Cool

So people wanted to hear about it

And I Made Friends

I've lost count of how many now...

Python

Monty, not snake

Fun is Our Life's Blood

This is supposed to be exciting

Volunteers are Core

We love them

Free Time is Precious

But We Give It

To the community

If We Just Wanted Money

We could work in the data-mines

PyOpenGL 3.x
a Case Study

In silliness

Weaselly Wording

Only ½ speed
Only slightly unproven technology
Easier for us to maintain

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So You Expect...

But it Folds Your Laundry
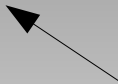
And irons your socks

Folding Laundry

The thing a user wants so much
They'll put up with almost anything

No Laundry Was Folded

But I had fun

You probably don't care, I do...

Python Folding

Our Laundry List

What do random Python developers want?

Concurrency

Fine-grained, built-in (syntax), semi-automatic, safe

Performance

5x or so, enough to open whole new markets
(Think 2x slower than C with similar overhead)

Scaling Down

Practical mobile development or embedded systems
Compilation to native code

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Unicode as Default?

Didn't come up.

Print as a Function

?

Py3K Folds *My* Laundry?

No.

Python-dev Needed It

Motivation

Cost

Maintenance effort increase
Customer code "stuck"

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Marginal Projects

Will they transition?
When?

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Does Python Split?

"Fork" Python 2.x?

I Don't Think So

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Maintenance is not Fun

Python-dev speaks of 2.x with loathing

Would Volunteers Maintain 2.x?

Who would lead that effort?

Thought

Should the PSF Fund 2.x?

Pay to do grunt work volunteers don't want to do?

Not Likely

We'll Wind up Porting

When we can (somehow) justify it
Or just to support python-dev

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We Will Leave People Behind

But 3.x will happen some day

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So Py3K Isn't an Issue

But it's a lot of "wasted" free time

Without any Folding

How do we get folding to happen?

Be Bold

Vision excuses

Search for Awe

Even after you've found "good enough"

Don't Bet the Farm

Bet the rooster on long odds

Thought

PyPy

Shirt origami research

What Could It Be?

Compile (R)Python to iPhone apps
Concurrent Python
Fast algorithmic code
Pervasive lazy execution
Linguistic exploration

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Rooster at 1000:1

Thought

Cython and RPython Work

How much dynamism do you need today?

Thought

Deferred as Syntax

Async as fundamental primitive

Thought

Eliminate Standard Library

Replace with working packaging

Thought

Community is Key

If you are shutting out feedback
You are failing

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Discuss!

Thanks.