

```
-> Introduction and overview of IPython's features.
-> Quick reference.
-> Python's own help system.
-> Details about 'object', use 'object??' for extra details.
```

```
from __future__ import quantum_computer
python-input-1-a5413ee7b92c>", line 1
future__ import quantum_computer
: future feature quantum_computer is not defined
```

# \_\_equis\_\_.Python workshop

January 29, 2019 - February 1, 2019

University of Sydney, Camperdown

## Python for quantum programmers

A four day workshop with interactive sessions on using Python for your research.

### What's going to happen?

In the three phases of the workshop, we will: introduce you to the Python language, teach you to develop software programmes, and showcase community projects of research-grade software.

#### Part 1 - The Python language

This module includes: basic usage, programming paradigms, and numerical computing.

#### Part 2 - Building packages

This module includes: unit testing, version control, and publishing code.

#### Part 3 - Community projects

Featured projects that demonstrate how Python can apply to your research.

### How can I attend?

This workshop is open to everyone. Attendance is free for EQUUS members and costs \$100 for everyone else. Limited travel support is available for students.

Please get in touch at the email below for more information.

### Community projects

- **OpenFermion**: an open source library for compiling and analyzing quantum algorithms to simulate fermionic systems, including quantum chemistry.
- **Qiskit**: a quantum computing framework for leveraging today's quantum processors in research, education, and business.
- **pyQuil**: an open source Python library to help you write and run quantum programs.
- **pyGSTI**: a software package to perform gate set tomography (GST).
- **QInfer**: this project supports reproducible and accurate inference for quantum information processing theory and experiments.
- **Qudi**: a modular python suite for experiment control and data processing.

And more...



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