

A taste of Python

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Lecturer: Mark Chen

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- Development experiences: Front-end, back-end, cloud (Azure), ML, DevOps
- Research experiences: Quantum machine learning, quantum optimization

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What is programming?

Why should we learn programming?

And why Python

Ok, then...

How to get started?

```
print("hello world")
```

```
python hello.py
```


Variables

Statements

Control Statements: Conditions

Control Statements: For Loop

Control Statements: While Loop

List (Array)

Dictionary (Data Structure)

Function

Class

Python Modules

pip - Python Package Manager

Python I/O (Input/Output)

Practical Skill 1: git

Practical Skill 2: venv

Practical Skill 3: Debug

Practical Skill 4: Problem-solving

This is not the end, but the beginning