

## Intro To Python: Class 1 Outline

### 1) Why Python is dominant

CG\_Software\_Python.pdf

### 2) Review python\_docs.pdf in:

<https://github.com/skoshiwosh/democode>

### 3) Cookbook Recipe: Computer Program Paradigm

sequence of tasks, condition, repetition, interrupts, assistants doing separate tasks

### 4) Computer Architecture

memory, ALU or CPU, registers, data bus, input/output devices, operating system

simple\_comparch\_01.png

### Intro to Computer Architecture

[https://www.youtube.com/watch?v=HEjPop-aK\\_w](https://www.youtube.com/watch?v=HEjPop-aK_w)

### 5) Data Representation

byte, word, signed and unsigned integers, floating point, stack, array, linked list

binary vs hexadecimal vs decimal

### 6) Assembler vs Compiler vs Interpreter

### 7) C++ vs Python

cplusplus\_vs\_python.pdf

### 8) Maya scripting with Python

brief intro to module imports

scripts folder, userSetup.py, Maya.env, Custom shelf

### 9) Chris Zurbrigg tutorials

zurbrigg\_tutorials.pdf

### 10) Present Homework

class1\_homework.pdf

### 11) Other docs

python\_keys\_funcs.pdf, python\_variables\_types\_01.jpg, bin\_hex\_ascii.pdf,

python\_expressions.pdf

### 12) Python Scripts

templatescript.py, demoscript.py, seqtypes.py in:

<https://github.com/skoshiwosh/democode>