

Intro

Jonathan Lee

Why

<https://www.youtube.com/watch?v=qp0HIF3Sfl4>



Who am I?

Undergraduate Boston

University Lab

Military Lab

Graduate New York

Banking Technology

University Lab

University Faculty

Who are you?

Year

Location

Major

Interests (cyber, gaming, crypto, data, web, apps)

Technical background

Goals

Where are we?

CS / IS-IT Department

Seidenberg School

Pace University

New York City

East Coast

United States

Where are we (cont'd)

15 Beekman

Floors 9-11

(1 Pace Plaza)

(161 William St)

(41 Park Row)

Situational Awareness

Understanding the lay of the land

Twitter (X?) & YouTube

Begin to look for and follow key figures

Look for developer advocates

Look for folks in the field of what you're looking for

Trade press

Avoid hustlers

Where are you?

First-second year? Graduate School?

Taking Programming 1 / Data Science 1 / IT Intro

Having a goal

Joining clubs

Building resume, LinkedIn

Seeking internships

Seeking jobs

Building Your Brand

LinkedIn

GitHub

Personal Website, if relevant

Exercise

<https://www.amazon.com/>

<https://www.netflix.com/>

<https://www.uber.com/>

<https://www.tesla.com/>

<https://www.x.com/>

Or github.com/jonl3379

Section Break
Shift to Syllabus (then real break)

What is programming

Telling a machine what to do

We use programming languages

We're using Java to learn

What is a programming language

Machines talk binary

There are low level languages

There are high level languages

There are high level languages that are closer to the low level language

What is a programming language (cont'd)

There are compiled languages

There are scripting languages

Java is a compiled language, but different

Why Java

Why Java and not Python?

Java is very expressive and explicit

Python is terse and implicit

Both are everywhere

Object Oriented Language

Java is object oriented

Python can be object oriented

C on its own isn't

C++ can be object oriented

Java will have extra dressing that we just have to deal with while we learn

First program

```
class Main {  
    public static void main(String[] args) {  
        String name = "World";  
        System.out.println("Hello " + name + "!");  
    }  
}
```


First program

Hello World!

In Python:

```
name = "World"
```

```
print("Hello " + name + "!")
```


Binary

Quick tutorial on binary, as an essential skill

There will be a quiz and test questions

Syllabus

Go over syllabus

Reminder to get textbook

Assignment

Check classes

Software

CS majors

Should know how to get Java installed

Should know how to install a development environment (I like VSCode)

Others

Can use replit.com