



Eric Boyd responsive







Microsoft Regional Director



Session Survey

- Your feedback is very important to us
- Please take a moment to complete the session survey found in the mobile app
- Use the QR code or search for "Converge360 Events" in your app store
- Find this session on the Agenda tab
- Click "Session Evaluation"
- Thank you!

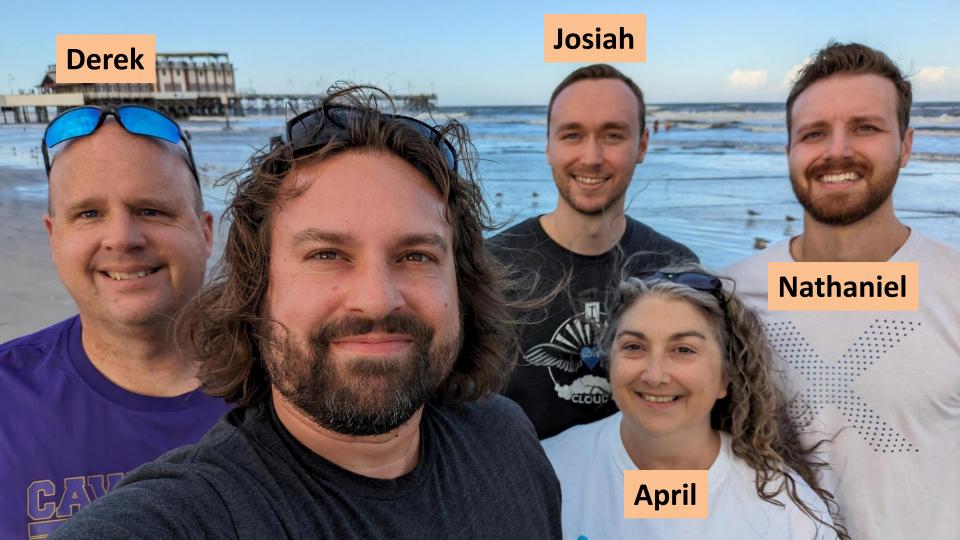




Infrastructure // App Dev // Data and Al

← DevSecOps →





Agenda

- Day 1
 - Python Introduction

- Day 2
 - Introduction to AI with Python



Day 1

- Setup your development environment
- Functions & Variables
- Conditionals & Loops
- Exceptions
- Libraries & Modules
- Testing
- File IO
- Regular Expressions
- OOP
- and more



Why do you want to learn Python?



Day 2

- Search
- Knowledge
- Uncertainty
- Optimization
- Learning
- Neural Networks
- Language
- And more



Why do you want to learn about AI?





Day 1

Morning coffee break 11:00 am – 11:15 am

Lunch break 1:00 pm – 2:00 pm

Afternoon snack break 4:00 pm – 4:15 pm

End by 6:00 pm



Day 2 – Start @ 9:00 am

Morning coffee break 11:00 am – 11:15 am

Lunch break 1:00 pm – 2:00 pm

Afternoon snack break 4:00 pm – 4:15 pm

End by 6:00 pm



Recommendations

- Get to know people in the room
 - And at the conference at large

Relax, exercise, and learn

Experiment and have fun



Let's have some fun

X/Twitter

#VSLive

You can mention me

@EricDBoyd

Things to post

Photos

Something interesting you're learning



What is Python?









high-level dynamic object-oriented cross-platform







TIOBE Index

Programming Language	2024	2019	2014	2009	2004	1999	1994	1989
Python	1	4	8	6	11	27	22	-
С	2	2	1	2	2	1	1	1
C++	3	3	4	3	3	2	2	3
Java	4	1	2	1	1	13	-	-
C#	5	6	5	8	8	30	-	-
JavaScript	6	8	9	9	9	20	-	-
Visual Basic	7	19	-	-	-	-	-	-
PHP	8	7	6	5	6	-	-	-
SQL	9	9	-	-	7	-	-	-
Assembly language	10	11	-	-	-	-	-	-
Objective-C	27	10	3	38	48	-	-	-
Lisp	33	28	14	17	15	12	7	2
(Visual) Basic	-	-	7	4	5	3	3	7



TIOBE Index

Feb 2024	Feb 2023	Change	Programming Language		Ratings	Change	
1	1			Python	15.16%	-0.32%	
2	2		9	С	10.97%	-4.41%	
3	3		0	C++	10.53%	-3.40%	
4	4		<u>«</u> ,	Java	8.88%	-4.33%	
5	5		©	C#	7.53%	+1.15%	
6	7	^	JS	JavaScript	3.17%	+0.64%	
7	8	^	SQL	SQL	1.82%	-0.30%	
8	11	^	~GO	Go	1.73%	+0.61%	





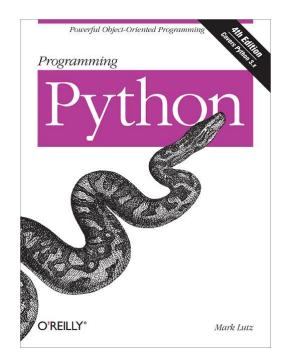
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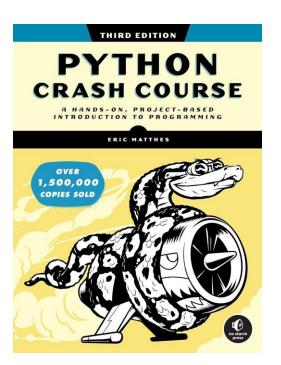


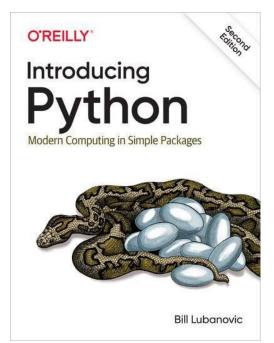
How old is Python?



















What questions do you have?

What do you want to learn?

