

# Network Programming in Python I

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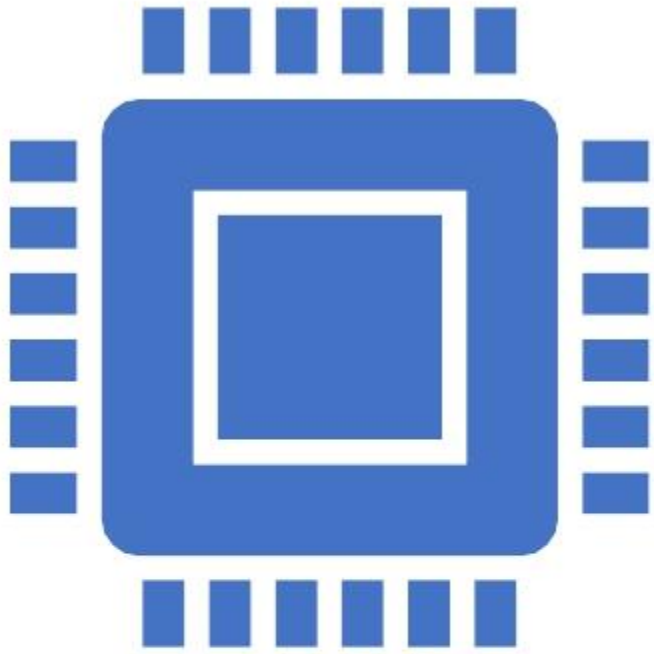
About Your Instructor

# Requirements For Class

- Personal computer. Please let me know if you need help obtaining one
- You are expected to be a master of your own domain
  - I can help with issues with your OS but there are some things I do not know
  - Before asking me try to find the answer yourself. As future IT professionals Google is your best friend

# Course Outcomes

1. Recognize, select and use expressions with the Python Interactive Shell.
2. Understand flow control and apply operations to create program functions and statements.
3. Understand list data types, dictionaries and the structuring of data.
4. Explain and manipulate strings and search of text patterns with expressions.
5. Explain how programs read and write data to files.
6. Use copy, move, rename, and delete functions to organize data.
7. Use various Python debugging tools.



# Course Schedule

- Week 1: Introduction to Python
- Week 2: Simple Python Data
- Week 3: Functions
- Week 4: Selection
- Week 5: Python Turtle Graphics and Iteration
- Week 6: Unit Testing
- Week 7: Strings
- Week 8: Lists
- Week 9: Files
- Week 10: Dictionaries, Github, Final Project
- Week 11: Final Project
- Week 12: Final Project

# Course Tools

- Runestone
- Pycharm
- Github

# Grade Breakdown

- *50% Weekly Assignments*
- *30% Quizzes*
- *20% Final Project*

# Grading Curve

- A  $\geq 90$ , 4.0
- B+  $\geq 87$ , 3.7
- B  $\geq 80$ , 3.0
- C+  $\geq 77$ , 2.7
- C  $\geq 70$ , 2.0
- D+  $\geq 67$ , 1.7
- D  $\geq 60$ , 1.0
- F = 0.0



# Submission Rules

- 11:59 PM Thursday, 1 Week After the Assignment is taught
- Late Submissions are accepted at 10 percent deduction up to Week 8
- **LATE SUBMISSION DEADLINE: 6/3/2021**
- Assignments after this are due on a weekly basis until the end of the quarter

# Academic Dishonesty

- Academic Dishonesty/Classroom Conduct (cfWAC 495 E-120-080)
- Any student who submits an assignment or other work to an instructor and falsely represents it as his/her own is guilty of academic dishonesty and is subject to discipline.
- Cheating involves doing something that can deceptively or fraudulently misrepresent your knowledge or ability in an academic or training exercise. It can also include your assisting of others during an exercise. Cheating is not tolerated at this institution. If a student is caught cheating, the student will be subject to discipline. If you have questions about cheating, ask your instructor.
- In the United States, it is important to give credit to the person or organization that originated an idea and requires you to make appropriate citations. This means that if you like an idea that was originated by someone else, you must give that person or organization credit for having had that idea. Representing that idea as your own without citing a reference is referred to as plagiarism. Plagiarism is not tolerated at this institution. If a student is caught plagiarizing, the student will be subject to discipline.

# How about this class?

- You can use any source as long as you cite. (StackOverflow, Google, etc.)
- Parts of your problem can be searched, usually full solution is not there.
- Always Cite your sources
  - This includes code from classmates
  - 1<sup>st</sup> Time: Assignment receives 80% maximum credit
  - 2<sup>nd</sup> Time: All Assignments receive maximum 80%, assignments without citations receive a 0%

# Ways to run Python

- Virtual Machine RTC
- Canvas Python Interpreter
- The interactive book's Interpreter

# Writing code in this course

- A Line at the start describing the program's purpose
- A Line at the start detailing who wrote the code and when
- A comment for any magic number that is used (Some code may not have any of these)
- [What is a Magic Number? - Definition from Techopedia](#)
- A way to make your code have less comments is to make it self documenting
- [Self-documenting code - Wikipedia](#)

Any Questions?

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Lets Get PyCharm

A large white circle is centered on a dark gray background. The circle is thick and its edges are slightly irregular, giving it a hand-drawn or stylized appearance. The word "Runestone" is written in white, sans-serif font in the upper right quadrant of the circle.

Runestone