EML 4930/6934
Python for Engineers

- An introduction to the Python programming language
- A bridge between students' programming knowledge in a different language (e.g., MATLAB) and future classes/projects/work in Python.
- Ideal for students who have some prior programming experience, through an introduction to programming class (e.g., COP 2271) or via work experience.

Online via Zoom (live and recorded)

Live lectures: T 8-9, R 9

Office hours will be in person as well as on Zoom

You will learn the fundamentals of Python, including syntax and how to write "pythonic" code, variables and types, loops, conditions, Boolean expressions, functions, arguments, return values, objects, methods, file I/O, debugging, etc. In addition, we will also survey a number of libraries (some are shown below) that are used in engineering and data science. The course will *not* take a deep dive into all of these libraries, but will provide a broad understanding of their utility for an engineer thorugh basic examples. Students will explore the libraries that are relevant to their research or career through a project.