Foundations of Programming and Software Engineering

Day 2 Overview
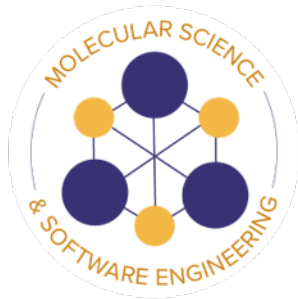
Day 2 Topics

Objectives:

- Define how to perform a Monte Carlo Integration.

- Implement Monte Carlo Integration of a one-dimensional integral using the Python Standard Library.

- Learn about the Lennard Jones potential.

- Write a function to compute the Lennard Jones potential energy.

- Compute the energy of a system of particles using the Lennard Jones potential energy function.