

# CSC325 Artificial Intelligence – Lab Exercise 3

Last Sign-off Day: March 12, 2021

Write two Python programs to solve the *8 Queens* puzzle. Please see

[https://en.wikipedia.org/wiki/Eight\\_queens\\_puzzle](https://en.wikipedia.org/wiki/Eight_queens_puzzle)

for the puzzle description. Please record the average processing time for both programs. You only need to find one solution in both cases.

## Task 1

Solve 8 Queens with Simulated Annealing.

## Task 2

Solve 8 Queens with a Genetic Algorithm.