

Washington State University
School of Electrical Engineering and Computer Science
Fall 2018

CptS 440/540 Artificial Intelligence

Homework 0

Due: August 23, 2018 (11:59pm)

General Instructions: Put your answer to problem 2 into a document (PDF or text) and submit as an attachment under Content → Homework 0 for the course CptS 440 Pullman (all sections of CptS 440 and 540 are merged under the CptS 440 Pullman section) on the Blackboard Learn system by the above deadline. Note that you may submit multiple times, but we will only grade the most recent entry submitted before the above deadline.

In lieu of my first lecture, you will learn from two experts in the field of AI (Sebastian Thrun of Stanford University, and Peter Norvig of Google) through their free online AI course available from Udacity at <https://www.udacity.com/course/intro-to-artificial-intelligence--cs271>. Then you will use what you learn to do some machine translation. Specifically,

1. Once you can access the course (you may have to signup for a free Udacity account), view all the videos in “Lesson 1: Welcome to AI”.
2. Below is a menu from a popular Klingon restaurant with English translations. Using the technique demonstrated in the videos, give the *most likely* Klingon translation of the popular dish “boiled chicken in chocolate sauce”.

yI'el tlhIngan Qe'	
HIDjoilev	
pub ghargh pa' Doq Hiq ghevI'	Boiled worms in red wine sauce
ghotI' pa' chIS Hiq ghevI'	Fish in white wine sauce
mIQ mIQchi	Fried chicken
chibaH chatlh	Chicken soup
Pub Ha'DIbaH pa'nIm tlhagh ghevI'	Boiled meat in butter sauce
qoghDajDaq Ha'DIbaH pa' Doq Hiq ghevI'	Spicy meat in red wine sauce
tuj yuch	Hot chocolate
yuch chab	Chocolate pie
qoghDajDaq chibaH chab	Spicy chicken pie
pub ghotI' pa' 'epIl naHmey HIq	Boiled fish in apple sauce