



Apr 2, 2023

Cesar Alan Contreras

has successfully completed

Robotics: Computational Motion Planning

an online non-credit course authorized by University of Pennsylvania and offered through
Coursera

A blue ink signature of CJ Taylor, written in a cursive style, positioned above a dotted line.

CJ Taylor
Professor, Computer and Information Science

**COURSE
CERTIFICATE**



Verify at:
coursera.org/verify/ZFZXPEP8KQ9H

Coursera has confirmed the identity of this individual and their
participation in the course.

The online course named in this certificate may draw on material from courses taught on-campus, but it is not equivalent to an on-campus course. Participation in this online course does not constitute enrollment at the University of Pennsylvania. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.