



3 Courses

**The Basics of Libertarian
Free Will**

Free Will and Neuroscience

**Neural Basis of Imagination,
Free Will, and Morality**



May 22, 2024

Rafael Vela

has successfully completed the online, non-credit Specialization

Libertarian Free Will

In this Specialization, we dismantle arguments against free will, both from a philosophical and neuroscientific perspective. In supporting free will, we tour philosophy, physics and neuroscience. We rethink the neural code and discover that evolution has discovered a middle path between determinism and chance. We learn about the amplification of quantum domain indeterminism up to a level of indeterminacy in neural spike timing. We see that outcomes that arise from internal operations in working memory, that afford imagination and deliberations about the future, can alter probabilities of future courses of action.

Peter Tse
Professor of
Psychological and Brain
Sciences
Dartmouth College

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

Verify this certificate at:

<https://coursera.org/verify/specialization/8X4WZUTU924G>