

Cedrick Argueta

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Research Interests

I am primarily interested in reinforcement learning, especially value alignment and safety.

Education

- 2020– PH.D. in Computer Science, **Princeton University**
ADVISOR: Jaime Fernández Fisac
- 2016–2020 B.S. in Computer Science (Honors), **Stanford University**
HONORS THESIS: Deep Reinforcement Learning for Drone-based Radio Localization
ADVISOR: Mykel Kochenderfer
Study abroad in Madrid, Spain during Winter 2019.

Honors & Awards

- 2020–2022 Princeton Presidential Fellowship. *Awarded to less than 1% of incoming doctoral students.*
- 2019–2020 Stanford CS Department Honors program. *1/17 admitted.*
- 2016–2020 Stanford Fund Scholarship. *Need-based.*
William and Evelyn Hobson Scholarship.
Kimmelman Family Undergraduate Scholarship.
- 2015 Perfect score on the AP Calculus AB exam. *12/302,532 attained this score.*

Research Experience

- 2020– Safe Robotics Laboratory, **Princeton University**
Research in safety in multi-agent systems, value alignment, reinforcement learning, and game theory. Supervised by Prof. Fisac.
- A.Y. 2018–2020 Stanford Intelligent Systems Laboratory, **Stanford University**
[PyFEBOL](#), simulation package to study drone localization and perform sim-to-real experiments. Honors thesis work in reinforcement learning for path planning. Supervised by Prof. Kochenderfer.
- Winter 2018 Stanford Social Algorithms Laboratory, **Stanford University**
MathBot, a chatbot for teaching high school maths. Supervised by Prof. Goel.

Professional Experience

- A.Y. 2019–2020 Research Intern, **The Aerospace Corporation**
Summer 2019 Research and development in reinforcement learning, adversarial machine learning, and computer vision.
Summer 2018
- Summer 2017 Software Engineering Intern, **NASA Jet Propulsion Laboratory**
Summer 2016 Flight hardware validation systems for CubeSats.

Teaching Experience

- Fall 2021 Assistant in Instruction, **Princeton University**
Introduction to Programming Systems, COS 217 (introductory operating systems).
- Summer 2021 Instructor and Admissions Officer, **Princeton University AI4All**
Robotics and introductory artificial intelligence/machine learning.
- Spring 2018 Course Assistant, **Stanford University**
Principles of Computer Systems, CS 110 (introductory operating systems).

Media & Press

- 2018 [Artificial Intelligence Gets Ahead of the Threats](#), The Aerospace Corporation Annual Report.
- 2017 [Panel discussion on deliberate practice with Anders Ericsson](#), CharacterLab Educator Summit.
- 2016 [Obama invites L.A. teen with perfect AP Calculus exam score to White House Science Fair](#), Los Angeles Times.