Cedrick Argueta

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Research Interests

Reinforcement learning, value alignment, safety, robotics, natural language processing, machine learning.

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 robotics. Recent work in large language models, reinforcement learning, and value alignment. Supervised by Prof. Jaime Fernández 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 drone path planning. Supervised by Prof. Mykel Kochenderfer.
Winter 2018	Stanford Computational Policy Laboratory, **Stanford University** MathBot, a chatbot for teaching high school maths. Supervised by Prof. Sharad Goel.

Professional Experience

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

Teaching Experience

Fall 2021   Assistant in Instruction, **Princeton University**
Introduction to Programming Systems, COS 217 (introductory systems programming).

Summer 2021   Instructor and Admissions Officer, **Princeton University AI4All**
Robotics and introductory artificial intelligence/machine learning for high school students.

Spring 2018   Course Assistant, **Stanford University**
Principles of Computer Systems, CS 110 (introductory systems programming).

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.