

Christopher Spalding

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EDUCATION

Ph.D., Planetary Science <i>California Institute of Technology</i> Thesis title: “<i>The Primordial Origin and Dynamical Sculpting of Close-In Planetary System Architectures</i>”	2013 - 2018
Masters of Planetary Science <i>California Institute of Technology</i>	2013 - 2015
B.A. & M.Sci, Astrophysics <i>Cambridge University, UK</i> - Thesis title: “<i>The Origin of Na–O Anti-correlations in Globular Clusters of the Milky Way</i>” 1912 Senior Scholarship for 1st class results	2009 - 2013

EMPLOYMENT

High school Physics & Astronomy Teacher <i>Commonwealth School, Boston</i>	2022 - 2026 (full-time), 2026 - 2027 (part-time)
Postdoctoral Research Fellow <i>Princeton University, NJ</i>	2020 - 2022
Postdoctoral Research Fellow <i>Yale University, CT</i>	2018 - 2020
Graduate Research Fellow <i>California Institute of Technology, CA</i>	2013 - 2018

TEACHING & MENTORING

Designed and taught a range of high school courses in Physics & Astronomy <i>Commonwealth School, Boston</i> - AP-level calculus-based Electromagnetism and Mechanics, AP-level algebra-based mechanics, Honors-level algebra-based Physics - Designed and taught a half-credit algebra-based Astronomy elective - Developed units covering advanced topics such as special relativity, quantum mechanics, fluid mechanics, tidal physics, Coriolis effect and rocket physics - Provided continuous one-on-one support to students in the above courses	2022 - present
Prison Teaching Initiative <i>Princeton University</i> taught college-preparatory algebra to incarcerated students	2021 - 2022
Postdoctoral Academic Advisor <i>Princeton University & Yale University</i> mentored 4 undergraduate students and 2 graduate students on research projects	2018 - 2022
Graduate Teaching Fellow <i>California Institute of Technology</i> graded homework, advised students and gave guest lectures in several graduate-level courses in planetary science	2013 - 2018
Summer K-12 Research Connection <i>California Institute of Technology</i> taught high school students programming skills and background astronomy	Summer 2016

SCIENCE RESEARCH & COMMUNICATION

Research publications Led 17 peer-reviewed publications in academic journals spanning astrophysics and Earth science	2014 - 2022
Conference presentations Presented research in oral format at several conferences per year from 2013 to 2021	2013 - 2022
Natural History Museum Volunteer (LA county) <i>The Natural History Museum of Los Angeles County</i> over 100 hours of service explaining museum exhibits to guests	2016 - 2017
Public Talks volunteered for numerous (>10) public science talks, spanning physics, astronomy and Earth science	2013 - 2022