

Alexander Rodriguez

✉ alro1526@colorado.edu
🌐 [alro15260](#)

Education

August 2017–
Present **Bachelor of Arts in Astrophysics & Mathematics**, *University of Colorado Boulder*,
GPA in Upper Division MATH, PHYS, & ASTR: 3.6/4.0.

Positions

January 2019–
Present **Research Assistant**, JOINT INSTITUTE FOR LABORATORY ASTROPHYSICS (JILA),
Boulder CO.

Honors

Chancellor Achievement Scholarship
Dean's List
Alpha Kappa-Alpha Kappa Scholarship of Highest Merit
Division of Dynamical Astronomy (DDA) Registration Grant

Publications

Rodriguez A., Generozov A., & Madigan A-M, Galactic Merger Implications for Eccentric Nuclear Disks (in prep.)

Contributed Talks

[AAS Division of Dynamical Astronomy \(DDA\) 51st Meeting, Online](#)

Teaching

Fall 2018 MATH2400 (*Calculus 3*)
Fall 2018 PHYS1110 (*Calculus-based Physics 1*)
Spring 2019 MATH1300 (*Calculus 1*)

Tutor at the Student Academic Success Center (SASC) at the University of Colorado Boulder for underprivileged and poorly represented students.

Graduate/Advanced Coursework

Fall 2019 MATH5470 (*Partial Differential Equations*) [with project & lecture on Green's Functions and Potentials](#)
Fall 2020 MATH4230 (*Differential Geometry*)
Fall 2020 PHYS5030 (*Mathematical Physics I*)
Spring 2021 PHYS5040 (*Mathematical Physics II*)
(expected)
Spring 2021 PHYS5770 (*General Relativity*)
(expected)

Projects & Organizations

- Fall 2018 Designed leapfrog N-body integrator
- Fall 2018 M77 Supernova Analysis Project with 24" telescopes at CU Boulder
- Spring 2019 Statistical Analysis of Stars in Galactic Nuclei Project
- Fall 2019 Academic Chair of Alpha Kappa-Alph Kappa