

# Dylan P. McNally

UNDERGRADUATE RESEARCHER · OUTDOOR ENTHUSIAST

☎ (970) 290-9205 | ✉ dpatmcnally@gmail.com | 🏠 www.dylanmcnally.com | 🌐 Dylan McNally

## Education

### University of Colorado at Boulder

B.S. IN ENGINEERING PHYSICS, B.S. IN APPLIED MATHEMATICS

Boulder, CO

August 2015 - May 2019

- GPA: 3.873
- Minor in Leadership Studies

## Publications

### Characterization of hybrid wicking structures for flexible vapor chambers

DYLAN P. McNALLY, RYAN J. LEWIS, Y.C. LEE

### Spin detection with a micromechanical trampoline: Towards magnetic resonance microscopy harnessing cavity optomechanics

RAN FISCHER, DYLAN P. McNALLY, CHRIS REETZ, GABRIEL G. T. ASSUMPCAO, THOMAS R. KNIEF, YIHENG LIN, CINDY A. REGAL

## Relevant Experience

### Joint Institute for Laboratory Astrophysics

UNDERGRADUATE RESEARCH ASSISTANT, REGAL GROUP

Boulder, CO

May 2017 - Present

- Explore magnetic resonance force microscopy, writing undergraduate honors thesis with Professor Cindy Regal.

### Microfabrication Laboratory - Univ. of Colorado

ASSISTANT LABORATORY MANAGER

Boulder, CO

May 2016 - August 2017

- Assisted the laboratory manager in administrative tasks, chemical monitoring, safety protocol, and general lab maintenance.

### Dept. of Mechanical Engineering - Univ. of Colorado

UNDERGRADUATE RESEARCH ASSISTANT, Y.C. LEE GROUP

Boulder, CO

October 2015 - September 2017

- Studied wicking structures of vapor chambers with Professor Y.C. Lee. Paper in preparation.

## Honors & Awards

2018	<b>Goldwater Scholarship Nominee</b> , Univ. of Colorado	Boulder, CO
2016-2017	<b>Discovery Learning Apprentice</b> , College of Engineering and Applied Science	Boulder, CO
2016	<b>Directors Club Scholar</b> , Univ. of Colorado	Boulder, CO
2015	<b>Semifinalist</b> , Boettcher Foundation Scholarship	Loveland, CO

## Involvement

### Engineering Honors Program

STUDENT LEADER

Boulder, CO

August 2015 - Present

- Mentored students in a culture and community based honors program. Free academic tutoring. Helped maintain the coffee and tea bar.

### Presidents Leadership Class

STUDENT STAFF MEMBER, SCHOLAR

Boulder, CO

August 2015 - Present

- Served on student staff as a first year class advisor, second year class advisor.
- Initiated PLC branding, orchestrated apparel order and distribution.
- PLC Day of Service volunteer 2015, 2016.

### Undergraduate Research

ADVOCATE, RESEARCHER

Boulder, CO

October 2015 - Present

- Assisted in hiring undergraduate students for research positions.
- Presented in physics department research interest session, 2017.
- Presented in Presidents Leadership Class research interest session, 2017, 2018.
- Attended undergraduate research symposiums to support fellow researchers.