

Ricardo Roopnarinesingh

3680 Berkley Ave.
Boulder, Colorado
+1 (405) 343-8955
riro3277@colorado.edu

Curriculum Vitæ

Experience

Vocational

- August 2021- Present **Research Assistant**, *University of Colorado Boulder*, Boulder, CO.
Working in a Computational Fluids Lab under Dr. Debanjan Mukherjee.
Developing computational fluid models of Embolic Strokes of Undetermined Sources to map probable etiologies
- Dec 2019- May 2021 **Research Assistant**, *Oklahoma State University*, Stillwater, OK.
Working in Fluids Lab under Dr. Arvind Santhanakrishnan. Manufacturing and testing models for mimicking wake patterns of metachronal locomotion in crustaceans
- Jan-May 2019 **Research Assistant**, *Oklahoma State University*, Stillwater OK.
Worked in HVAC Lab under Dr. Christian Bach. Implemented parts and sub-designs of a heat exchanger testing facility.

Miscellaneous

- June-Aug 2020 **Intern**, *NextEra Energy*, Fort Myers, FL.
Completed maintenance, upgrades, and design of the Florida Power and Light power network
- August 2019- May 2021 **Academic Tutor**, *Oklahoma State College of Engineering*, Stillwater OK.
Tutoring peers in engineering and mathematics related subjects and projects
- August 2018- May 2019 **Academic Tutor**, *Oklahoma State LASSO Center*, Stillwater, OK.
One-on-one tutoring with Oklahoma State students

Education

Degrees

- 2021-Present **PhD in Mechanical Engineering**, *University of Colorado Boulder*, Boulder, CO.
 - Advisor: Debanjan Mukherjee
- 2017-2021 **BS in Mechanical Engineering**, *Oklahoma State University*, Stillwater, OK.
GPA: 3.96/4.0

Awards and Activities

August 2020 - **Wentz Research Scholar**, *Oklahoma State University*, Stillwater OK.
May 2021

Jan 2020- **Tau Beta Pi Honor Society**, *Oklahoma State University* Stillwater OK.
May 2021

August 2017- **Oklahoma State Symphonic Orchestra**, *Oklahoma State University*,
May 2019 Stillwater, OK.

References

Dr. Debanjan Mukherjee, *University of Colorado Boulder*, Boulder, CO.
demu4576@colorado.edu

Dr. Arvind Santhanakrishnan, *Oklahoma State University*, Stillwater, OK.
askrish@okstate.edu

Dr. Ehsan Moallem, *Oklahoma State University*, Stillwater, OK.
moallem@okstate.edu