N | Northeastern University
College of Engineering
Mechanical and Industrial Engineering

D2R | **D**ata
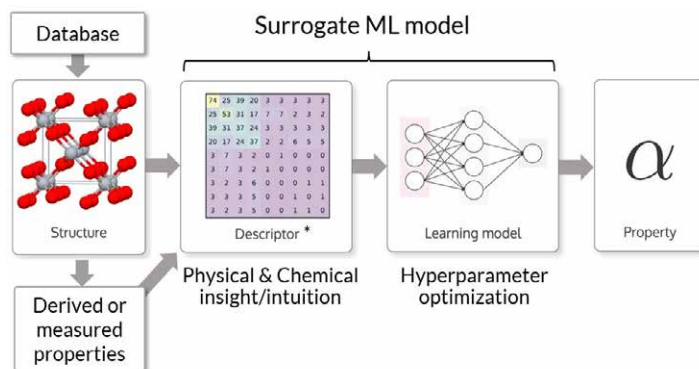**D**riven
Renewables
research

Fully Funded Ph.D. Position: Research in Materials Informatics and AI-Driven Discovery

www.d2r2group.com

Job Summary

The Data-Driven Renewables Research (D2R2) group led by Dr. Peter Schindler is accepting applications for a Ph.D. student in the field of computational materials discovery starting Fall 2024. Our group is seeking to discover novel materials for renewable energy applications using high-throughput quantum chemistry calculations and data-driven materials property predictions. A deep understanding of materials properties and close connections in academia and industry enable the group to explore exciting research avenues.

What we Expect of You

- Background in materials science and/or physics.
- Experience with programming (preferably Python or Matlab) and/or materials modeling.
- B.Sc. in Materials Science, Physics, Chemical Engineering, or related field.
- Strong drive to learn new skills and explore the unknown.

What you Can Expect of Us

- Work on cutting-edge research on the intersection of computational materials science, data science, and deep learning.
- Advice for pursuing a career in academia or industry after your Ph.D. and internship opportunities.
- To become an integral part of our research group that is invested in your success.
- Build on your technical and soft skills such as presentation mastery, scientific writing, software engineering, code development, and networking.
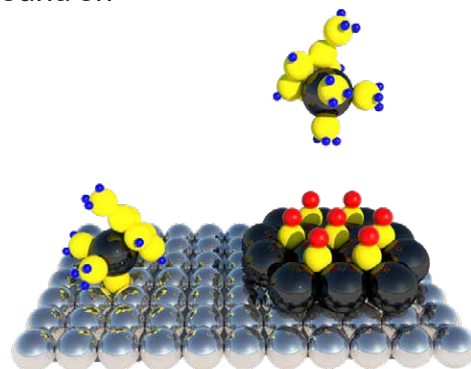
About the Group

In the D2R2 group we enjoy working collaboratively and support each other to grow as scientists. We also hold each other accountable and strive to cultivate integrity and intellectual honesty. Currently, there are 6 active members (plus a few external/co-advised students) and we carefully assess the overall fit of new members to join the group to ensure an inclusive and welcoming environment for people of all backgrounds. More information about our group's philosophy can be found on

www.d2r2group.com

About Northeastern University

- Campus located in the heart of Boston - a vibrant city known for its prestigious universities and a thriving culture of innovation and research.
- US-leading Co-Op program and tight connections with industries in various engineering sectors.
- Ranked nr. 32 in Best Engineering Schools (US News)

If interested, please email your resume to: **p.schindler@northeastern.edu**