

Ryne C. Johnston

PROFESSIONAL EXPERIENCE

Schrödinger, Inc. Portland, OR
Product Manager Jun 2023 – Present

- Managed multiple products and directed teams to meet project goals and deadlines.
 - Epik*: pK_a and protonation state predictor
 - E-sol*: CNS permeability predictor
- Interacted with customers and provided software solutions to meet their needs.
- Interacted with marketing and sales teams to develop and execute product launch plans.

Principal Scientist/ Jun 2021 – Jun 2023
Technical Lead

- Developed and maintained best-in-class Python software to predict chemical properties through machine learning.
- Wrote scholarly articles and technical documents for public consumption.
- Wrote and maintained documentation and automated tests.
- Performed code reviews.

Senior Scientist May 2017 – Jun 2021

- Developed software to enumerate and canonicalize different related chemical compounds.
- Maintained legacy chemistry C/C++ software.

Oak Ridge Nat'l Lab Oak Ridge, TN
Postdoctoral Scholar Jun 2015 – Feb 2017

- Effectively communicated progress to a large, cross-disciplinary group of researchers.
- Wrote scholarly articles and research project proposals.
- Awarded nearly \$1M in research grant funds.

+1 (870) 403-2201
rynecjohnston@gmail.com
rynecjohnston
Beaverton, OR 97008

EDUCATION

2015 **Doctor of Philosophy**, Chemistry
Oregon State University

2010 **Bachelor of Science**, Chemistry
Henderson State University

EXPERTISE

pK_a , tautomerism, chemical equilibria, homogeneous catalysis, cheminformatics

SKILLS

- | | |
|--------------|------------------------------------|
| • Python | • agile methodology |
| • PyData | • productivity tools |
| • PyTorch | • performance profilers |
| • RDKit | • computational chemistry packages |
| • git/GitHub | |
| • C++ | – Schrödinger |
| • Fortran | – ORCA |

SCIENTIFIC COMMUNICATION

Recent Conferences Oral presentation at the American Chemical Society National Meeting, Spring 2021
Johnston, R. C. et al. *Epik: pK_a and Protonation State Prediction through Machine Learning* *Journal of Chemical Theory and Computation*, **2023**, 19, 2380-2388, doi: 10.1021/acs.jctc.3c00044.

Selected Publication (from >25)

INTERESTS

chemistry, geology, history, programming, hiking