

Prakash Verma

Data Scientist

WORK EXPERIENCE

APRIL 2018 – PRESENT

Data Scientist Intern
Metis, Seattle, WA

- Use folium and python to display locations of farmer's markets on the map.
- Use linear regression, random forest to predict housing price of King county.

MAR 2017 – MAR 2018

Adjust Research Associate
Depart. of Chem., University of Florida, Gainesville, FL

- Implemented GW approximation using python and Fortran

AUG 2014 – SEPT 2016

Post Doc
Depart. of Chem., Emory University, Atlanta, GA

- Developed scalar relativistic module in PSI4 using C++ and Python

NOV 2012 – JULY 2014

Post Doc Research Assistant
Depart. of Chem., Texas Tech University, Lubbock, TX

- Developed massively parallel linear-response coupled-cluster using module domain specific language.

SEPT 2011 – SEPT 2012

Post Doc Research Assistant
Depart. of Chem., University at Buffalo, Buffalo, NY

- Developed computational tools to calculate magnetic properties using Fortran

AUG 2005 – AUG 2011

Graduate Research Assistant
University of Florida, Gainesville, FL

- Proposed analytical gradient scheme of non-variational density functional theory.
- Invented computational inexpensive and accurate way to obtain activation energies, ionization and core excitation energies.

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SKILLS

Programming	Python (skilled) C++ (worked on)
Cloud Awareness	AWS Linux Bash Scripting
Version Control	Git
Data Analysis	Machine Learning

EDUCATION

2016 – 2017 Data Science Learning Path
ONLINE PRACTICE BASED LEARNING
www.dataquest.io

2005 – 2011 Doctor of Philosophy
THEORETICAL CHEMISTRY
University of Florida, Gainesville

2000 – 2005 Master of Science
CHEMISTRY
Indian Institute of Technology, Bombay, India

PUBLICATIONS

P. Verma, A. Perera and R. J. Bartlett. CPL **524**, 10 (2012)
P. Verma and R. J. Bartlett. JCP **136**, 044105 (2012)
P. Verma and R. J. Bartlett. JCP **137**, 134102 (2012)
P. Verma and R. J. Bartlett. JCP **140**, 18A534 (2014)
P. Verma and R. J. Bartlett. JCP **145**, 034108 (2016)
P. Verma, and J. Autschbach. JCTC **9**, 1052 (2013)
P. Verma, and J. Autschbach. JCTC **9**, 1932 (2013)
P. Verma, A. Perera and J. A. Morales. JCP **139**, 174103 (2013)
P. Verma, A. Perera and J. A. Morales. Mol. Phys. **114**, 547 (2016)
P. Verma and W. D Derricotte, F. A Evangelista JCTC **12**, 144 (2016)