Hiranmayi **Duvvuri**

Associate Data Scientist

Portland, OR

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Summary

Currently an **Associate Data Scientist** at Vacasa in Portland, OR.

Skills

Programming	Python, PostgreSQL, Git, Bash
Data Science	Pandas, Numpy, Jupyter, Data Visuzaliation, Feature Engineering
Other	Sphinx Documentation, Statistics

Experience

Vacasa

Portland, OR

Associate Data Scientist — *Jul 2018 - PRESENT*

- Working with software engineers to create machine learning models to help with business needs.

Junior Analyst — *Sep 2017 - Jul 2018*

- Continuing work from Intern projects

Analyst Intern — *Jun 2017 - Sep 2017*

- Building training set for machine learning model to predict owner churn, identifying gaps in owner data, and identifying indicators to help determine at risk owners.

University of Oregon - Institute of Molecular Biology

Eugene, OR

Bioinformaticist - Selker Lab — *Oct 2016 - May 2017*

- Updated and managed scripts for analysis of ChIP-seq and RNA-seq data.
- Compared ChIP-seq datasets looking at differences in RNA pol II binding between different strains of n. crassa. Done using various data analysis programs and automated using R and bash scripting.

Scientific Programmer - Harms Lab — *Sep 2015 - May 2017*

- Developed a GUI using PyQt5 for python API that analyses isothermal calorimetry (ITC) data. Along with this, wrote documentation for GUI using sphinx on Read the Docs as well as a C extension to calculate the binding polynomial in the API.
  Repo: https://github.com/harmslab/pytc-gui and https://github.com/harmslab/pytc
- Developed an extension of a phage display analysis pipeline. Researched and implemented different methods of data clustering.
  Repo: https://github.com/harmslab/phagedisplay

Publications

Hiranmayi Duvvuri, Lucas C. Wheeler, and Michael J. Harms — *Biochemistry*

Pytc: open-source python software for global analyses of isothermal titration calorimetry data — *2018*

Education

University of Oregon

Eugene, OR

B.S. in Biochemistry — *Sep 2011 - Sep 2016*

- focus on biology, chemistry, and computer science