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