Christopher LeBailly

Experience

July 2016 – Present
Senior Data Scientist, *hiQ Labs*, San Francisco, CA.
- Developed new methodology for clustering related skills using resume data. Methodology was based on existing NLP techniques and models.
- Designed d3 visualizations of skill clustering which have been used in production.
- Presented research at hiQ Elevate conference in San Francisco and New York
- Worked with experts in HR to design a new product which utilizes my research and fits needs of our customers.

September 2014 – June 2016
Data Scientist, *hiQ Labs*, San Francisco, CA.
- Designed system to find on-line resume data and match to internal HRIS data
- Engineered system to store customer data and integrated it with existing technology
- Researched feasibility of new product ideas.

August 2008 – June 2010
Math Study Center Aide, *Evanston Township High School*, Evanston, IL.
- Conducted drop-in tutoring for students with varying math abilities.
- Worked with an average of 50 students per day in courses from Algebra 1 to Linear Algebra.
- Substitute taught for Calculus (single and multiple variables) and Linear Algebra.

Skills

Fluent	Python, R, MongoDB, git	Familiarity	MatLab, Octave, SQL, d3.js
Dormant	C++, Mathematica		
Typesetting	LaTeX	Operating Systems	Linux, Mac OS X, Windows

Education

June 2013
M.A., Mathematics, *University of California Santa Cruz*, Santa Cruz, CA.
Completed masters thesis studying coupled clocks and coupled chaotic oscillators.

May 2008
B.A., Mathematics and Music, *Grinnell College*, Grinnell, IA.
Honors received for both majors.

Research

January 2013 - June 2013
Masters Thesis Research, *University of California, Santa Cruz*, Santa Cruz, CA.
- Wrote masters thesis on different modes of synchronization of periodic and chaotic oscillators.
- Wrote programs in Python to model these different dynamical systems.
- The thesis is avilable `here` and the code is available `here`.

June 2006 – August 2006
Student Research, *Grinnell College*, Grinnell, IA.
Wrote paper on conditions need to perform surgeries (removing and adding vectors) on tight frames. Our paper is available `here`.

Professional Development

January 2014 – Present
Massively Open Online Courses, *Coursera, EdX*.
Covered Machine Learning, Statistics, R programing, and Data Analytics. Participated in the *John Hopkins* Data Science Specialization.

Fall 2013
Bioinformatics Models & Algorithms, *University of California Santa Cruz*, Santa Cruz, CA.
An introductory graduate level course in Bioinformatics, taken through the UCSC Extension Program. The code written in this class is available `here`.