Luke Reding

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website :: blog :: GitHub :: LinkedIn :: Twitter

About me

I use computers to solve problems and generate actionable insights.

Experience

Data Science Intern at Continuum Analytics (now Anaconda) :: Summer 2017
- Expanded visibility and user-friendliness of flagship product by authoring data science example projects and blog posts
- Developed and deployed REST APIs
- Created machine learning examples for Gartner Magic Quadrant submission
- Collaborated with project managers, UI/UX designers, and senior developers

Texas Venture Labs Associate :: Fall 2017 - current
- Validating new markets to allow 2 Austin startups to expand into new markets
- Generating actionable insights by conducting primary research to identify key markets

Independent research & data analysis :: Fall 2012 - current
- Designed randomized, controlled experiments
- Automated data collection/analysis with Python and bash
- Analyzed, visualized, and presented data using R / R Markdown
- Wrangled datasets with $>10^6$ of observations and dozens of variables
- Used regression, mixed models, and GLMs to analyze data
- Orchestrated a team of 2-8 to coordinate data collection on a variety of projects

Communication
- Authored 4 first-author works published in top journals
- Presented research by giving 3 talks at international conferences
- Delivered talks and oral presentations monthly
- Trained 300+ students; rated 4.9 / 5

Education

University of Texas at Austin – PhD Integrative Biology. Expected Spring/Summer 2018.

College of William and Mary — B.S. Biology, minor Mathematics. *Summa cum laude, Honors*

Skills and strengths

- R :: 6 years :: dplyr, tidyr, magrittr, purrr, ggplot2, igraph, ggnet2, caret
- Python :: 4 years :: numpy, pandas, scikit-learn, scikit-image, OpenCV, Flask, Bokeh
- Bash scripting :: 3 years
- Scala, Go, SQL :: <1 year
- Statistics :: machine learning, parametric linear modeling, randomization testing
- Gallup Strengths :: learner, achiever, focus, analytical, input