

NICK STRAYER

I have made [visualizations viewed by hundreds of thousands of people](#), [sped up query times for 25 terabytes of data by an average of 4,800 times](#), and built packages for R that let you [do magic](#).

Currently searching for a position that allows me to build tools leveraging a combination of visualization, machine learning, and software engineering to help people explore and understand their data in new and useful ways.

EDUCATION

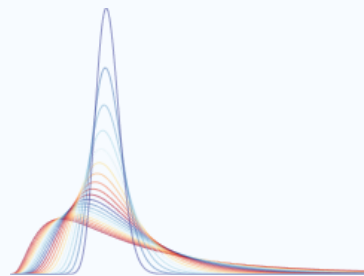
- 2020**
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2015
PhD. Candidate, Biostatistics
Vanderbilt University Nashville, TN
 - Working on Bayesian network models & interactive visualization platforms
 - University Graduate Fellow
- 2015**
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2011
B.S., Mathematics, Statistics (minor C.S.)
University of Vermont Burlington, VT
 - Thesis: An agent based model of Diel Vertical Migration patterns of *Mysis diluviana*

SELECTED POSITIONS

- 2020**
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2015
Graduate Research Assistant
TBILab (Yaomin Xu's Lab) Vanderbilt University
 - Primarily working with large EHR and Biobank datasets.
 - Developing network-based methods to investigate and visualize clinically relevant patterns in data.
- 2018**
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2017
Data Science Researcher
Data Science Lab Johns Hopkins University
 - Building R Shiny applications in the contexts of wearables and statistics education.
 - Work primarily done in R Shiny and Javascript (node and d3.js).
- 2016**
Data Journalist - Graphics Department
New York Times New York, New York
 - Reporter with the graphics desk covering topics in science, politics, and sport.
 - Work primarily done in R, Javascript, and Adobe Illustrator.

SELECTED WRITING

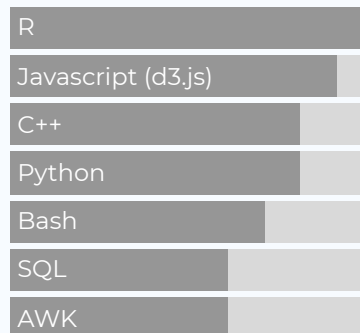
- 2019**
Using AWK and R to Parse 25th
LiveFreeOrDichotomize.com
 - Story of parsing large amounts of genomics data.
 - Provided advice for dealing with data much larger than disk.
 - Reached top of HackerNews.
- 2017**
The Traveling Metallurgist
LiveFreeOrDichotomize.com
 - Pure javascript implementation of traveling salesman solution using simulated annealing.
 - Allows reader to customize the number and location of cities to attempt to trick the algorithm.
- 2016**
The Great Student Migration
The New York Times
 - Most shared and discussed article from the New York Times for August 2016.



CONTACT

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- [🐦 NicholasStrayer](#)
- [🌐 github.com/nstrayer](https://github.com/nstrayer)
- [🌐 nickstrayer.me](https://nickstrayer.me)

LANGUAGE SKILLS



OPEN SOURCE CONTRIBUTIONS

All projects available at github.com/nstrayer/<name>

- [shinysense](#): R package to use sensor data in Shiny apps
- [tuftesque](#): Hugo theme (behind LiveFreeOrDichotomize.com)
- [sbmR](#): R package for fitting stochastic block models

MORE INFO

See full CV at nickstrayer.me/cv for more complete list of positions and publications.

Made w/ [pagedown](#).
Source code:
github.com/nstrayer/cv.
Last updated on 2020-02-11.