

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 data science position that allows me to build tools using visualization and machine learning to help people explore and understand their data.

EDUCATION

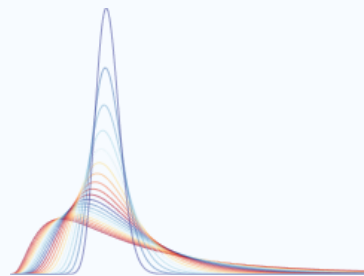
- 2020
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2015
- **PhD. Candidate, Biostatistics**
Vanderbilt University 📍 Nashville, TN
 - Working on Bayesian network models & interactive visualization platforms
 - University Graduate Fellow
 - **B.S., Mathematics, Statistics (minor C.S.)**
University 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.
 - **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 d3js).
 - **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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SKILLS

Highly experienced in

R
Python
Javascript (d3.js)

Experience with

Bash
SQL
C++
AWK

OPEN SOURCE CONTRIBUTIONS

All projects available at [<name>](https://github.com/nstrayer)

shinysense: R package to use sensor data in Shiny apps
tuftesque: Hugo theme (behind LiveFreeOrDichotomize.com)
slid3r: D3 add-on for fully svg slider inputs

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 2019-10-01.