

# 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

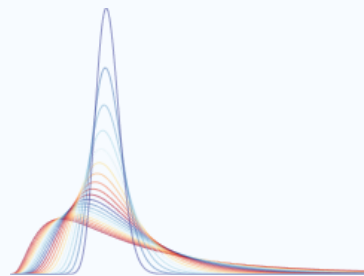
- 2020  
|  
2015
- **PhD. Candidate, Biostatistics**  
Vanderbilt University 📍 Nashville, TN
    - Working on Bayesian network models & interactive visualization platforms
    - University Graduate Fellow
  - **B.S., Mathematics, Statistics (minor C.S.)**  
University of Vermont 📍 Burlington, VT
  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

## SELECTED POSITIONS

- 2020  
|  
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

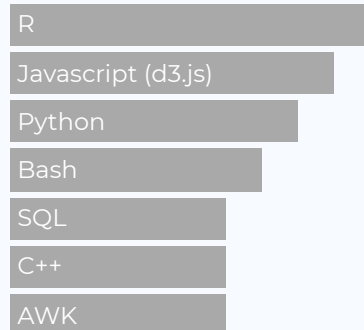
- 2019
- [Using AWK and R to Parse 25th](#)  
LiveFreeOrDichotomize.com
    - Story of parsing large amounts of genomics data.
    - Provided advice for dealing with data much larger than disk.
    - Reached top of HackerNews.
- 2017
- [The Traveling Metallurgist](#)  
LiveFreeOrDichotomize.com
    - 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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🔗 [nickstrayer.me](https://nickstrayer.me)  
📞 (734) 645-0110

## LANGUAGE SKILLS



## OPEN SOURCE CONTRIBUTIONS

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

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](https://nickstrayer.me/cv) for more complete list of positions and publications.

Made w/ [pagedown](#).  
Source code:  
[github.com/nstrayer/cv](https://github.com/nstrayer/cv).  
Last updated on 2019-10-11.