

# DAVID LAING

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## Summary

I used to teach writing and argumentation, and I was set on a life working with words. But as I gained experience, I realized that I could find more interesting and urgent problems by working with numbers. So, I decided to deepen my knowledge of statistics and computer science by enrolling in UBC's Master of Data Science program.

## Skills

### Python

Experience: 1 year

Packages: numpy; pandas; sklearn; keras

### R

Experience: 1 year

Packages: dplyr; tidyr; purrr; tidytext; rjags

### SQLite

Experience: 6 months

Packages: (R) RSQLite; (Python) sqlite3

### Data visualization

Packages: (R) ggplot2; ggvis; sjPlot; (Python) matplotlib, seaborn

### Reproducible data analysis

Tools: RStudio, Jupyter, LaTeX, Docker, bash, Makefile, packrat, virtualenv, AWS (EC2 and S3)

### Writing and speaking (English & French)

Experience: 1 year lecturing, 1 year in journalism

Writing samples: <https://laingdk.github.io/posts/>

## Education

### Master of Data Science, 2016 – 2017

University of British Columbia

GPA: 4.0

### Honours Bachelor of Arts & Science, 2010 – 2014

McMaster University

GPA: 3.7

## Selected Professional History

### (upcoming) Data Science Capstone, Summer 2017

UBC Centre for Teaching, Learning, and Technology

- In online learning, students generate tons of data. To help instructors and students use this data effectively, my teammates and I will build interactive dashboards for UBC's edX platform.

### Bryan Turner Intern in Business Ethics, Fall 2016

Ethical Systems

- Academic research in business ethics is useful and important, but often inaccessible. So, I wrote and edited web documents to help business leaders make the most of the latest science.

### Communications Lecturer, 2015 – 2016

Niagara College Canada

- I planned and delivered over 350 hours worth of lessons and workshops on writing and argumentation. I taught 150-170 students per semester.

### Physics Research Assistant, Summer 2012

McMaster Physics Department

- The department wanted to administer undergraduate assignments through LON-CAPA, an open-source e-learning platform. So, I coded 2,000 physics problems for this platform, in perl.

## Interests

### Reading

- Science, classics, sci-fi, fantasy

### Music

- Hip-hop, funk, folk, alternative

### Exercise

- Squash, running, windsurfing

### Podcasts

- Philosophy, politics, economics