

## SUMMARY

<b>PhD training</b>	Bayesian statistics (multilevel models, causal inference, model averaging, nonparametric theory) Classical statistics (hypothesis testing, mixed models, regularization, asymptotic theory)
<b>Current interests</b>	Artificial neural networks, statistical properties of machine learning methods, Bayesian methods for machine learning, ProjectEuler+
<b>Frequently used</b>	Python, R, SQL, Jupyter Notebook, Amazon S3, Amazon EC2, $\text{\LaTeX}$
<b>Occasionally used</b>	Tensorflow, Keras, Spark, Java, C++, HTML, CSS, Javascript

## EXPERIENCE

<b>Data Scientist, BitSight</b>	<i>Boston MA</i>	10/2017–Present
<ul style="list-style-type: none"><li>Oversee all data science requirements for third party risk management projects by collaborating with cross-functional teams</li><li>Partner with product, sales, and marketing managers to devise data-driven strategies from unorthodox data structures</li><li>Design studies to evaluate the association and causality of relationships pertaining to efficacy of products, impact of extraneous events, and influence of internal interventions</li><li>Program Python scripts and modules for data storage, collection, cleaning, analysis, and visualization</li><li>Lead reading groups covering advanced topics in forecasting methods, prediction intervals, and model evaluation metrics</li><li>Support data science team members in ad hoc statistical tasks</li></ul>		
<b>Data Science Fellow, Insight Data Science</b>	<i>Boston MA</i>	05/2017–09/2017
<ul style="list-style-type: none"><li>Generated idea for predicting supply/demand at Hubway bike-sharing stations in Boston, despite a lack of labeled data</li><li>Consolidated and cleaned multiple data sources to tally labeled information for 200 bike stations over 11 million time points</li><li>Predicted real-time supply/demand for each bike station using various machine learning and statistical models</li><li>Created website to visualize directions and to predict bike availability for user input origins and destinations</li><li>Provided mentorship and feedback for subsequent cohorts of fellows</li></ul>		
<b>PhD Student, Research Assistant, Harvard University</b>	<i>Cambridge MA</i>	08/2012–09/2017
<ul style="list-style-type: none"><li>Conducted original statistical research on applied problems in mental disorders, health care policy, and end-of-life care</li><li>Developed R code for handling datasets with complexities such as sampling bias, misclassified outcomes, correlated outcomes, hierarchical structures, and confounding</li><li>Taught graduate-level labs with topics ranging from introductory statistics to seminar topics in Bayesian nonparametrics, decision theory, and sequential methods</li><li>Selected to tutor fellow PhD students for the biostatistics written qualifying exam</li></ul>		
<b>Full-time Co-op Work Semesters, University of Waterloo</b>	<i>Waterloo ON</i>	05/2008–12/2011
Actuarial Analyst, Enterprise Risk Management <a href="#">Munich Blue</a>	<i>Toronto ON</i>	09/2011–12/2011
Actuarial Analyst, Biometric Research <a href="#">Munich Re</a>	<i>Toronto ON</i>	01/2011–04/2011
Actuarial Analyst, Segregated Fund Valuation, <a href="#">Manulife</a>	<i>Waterloo ON</i>	05/2010–08/2010
Actuarial Analyst, Group Benefits Pricing, <a href="#">Manulife</a>	<i>Waterloo ON</i>	09/2009–12/2009
Pension Administrator, <a href="#">Hewitt Associates</a>	<i>Toronto ON</i>	01/2009–04/2009
Database Analyst, <a href="#">Logitech</a>	<i>Mississauga ON</i>	05/2008–08/2008

## EDUCATION

<b>PhD, Biostatistics, Harvard University</b>	<i>Cambridge MA</i>	2017
<ul style="list-style-type: none"><li>Thesis: Statistical Methods for the Analysis of Observational Data with Multiple Correlated Outcomes</li><li>Advisors: Tianxi Cai, Francesca Dominici</li></ul>		
<b>Bachelor of Mathematics, University of Waterloo</b>	<i>Waterloo ON</i>	2012
<ul style="list-style-type: none"><li>Honours Actuarial Science/Finance Option, Honours Statistics, Co-operative Program</li></ul>		
<b>Associate of the Society of Actuaries, Society of Actuaries</b>	<i>Schaumburg IL</i>	2012