**Joshua Feldman**

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Education

**Harvard University, School of Engineering and Applied Science** Cambridge, MA

Master of Science, Data Science Anticipated Spring 2020

Relevant Courses: Data Science, Software Engineering, Solutions for Tech’s Public Dilemmas; Frank Knox Memorial Fellowship

**Dalhousie University** Halifax, NS

Bachelor of Science, First Class Honors in Mathematics; Minor in Contemporary Studies; October 2017

GPA: 4.04/4.30; Katherine M. Buttenshaw Prize (1st place in the advanced mathematics courses)

Relevant Experience

**Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics, Harvard University** Cambridge, MA

*Research Assistant, Project on Precision Medicine, AI, and the Law* 2018 - Present

* Developing a definition of algorithmic interpretability informed by regulation of healthcare devices
* Wrote critical response on proposed federal legislation regarding the legal definition of artificial intelligence

**Berkman Klein Center for Internet & Society** Cambridge, MA

*Techtopia Student Cohort* 2018 - Present

* Engaging with challenges surrounding the ethics and governance of digital technologies through interdisciplinary seminar
* Initiating Public Interest Data Science Fellowship for students at the Institute for Applied Computational Science

**BlueDot** Toronto, ON

*Data Scientist* 2017 - 2018

* Led 2 data scientists to build system that used natural language processing to identify news articles with infectious disease activity information; outperformed all previous attempts internationally; led to first commercial epidemic early warning system
* Used machine learning algorithms to identify regions vulnerable to dengue transmission
* Collaborated with interdisciplinary team of epidemiologists, doctors, veterinarians, and psychologists

**Civic Tech Toronto** Toronto, ON

*Volunteer Data Scientist* 2018

* Created 10-page web analytics report for Centre for Legal Education Ontario on website promoting access to justice

**Frontier College** Nain, Labrador

*Indigenous Summer Reading Camp Counsellor* 2016

* Organized and led the 1st Indigenous Summer Reading Camp in Nunatsiavut, Canada for over 70 children
* 100% of parents reported children enjoy learning more after camp; 80% that child had stronger literacy skills

Additional Experience

**Centre for Urban Health Solutions** Toronto, ON

*Keenan Research Summer Student*  2016

* Developed new approach to monitor severity of epidemics using mathematical modelling
* Awarded 1st place in student poster competition at Association of Medical Microbiology and Infectious Disease Conference

**Department of Mathematics, Dalhousie University** Halifax, NS

*Research Assistant* 2016-2017

* Studied disease spread in probabilistic networks through simulations and mathematical modelling
* Wrote and presented paper at international conference to audience of 30+

**St. Michael’s Hospital** Toronto, ON

*Quality Improvement Summer Student*  2014, 2015

* Analyzed electronic medical records data to improve cancer screening rates by 10% in large family practice

Skills and Interests

Advanced: Python; Intermediate: R, Java, SQL, Apache Spark (pyspark)

Interests: Directing theatre, playing piano, tutoring, and hiking Canadian national parks