

<b>EDUCATION</b>	<b>MSc. Computer Science</b> , McGill University	September 2017 - present
	Supervised by Dr. Doina Precup and Dr. Simon Gravel	
	<b>BSc. Quantitative Biology, Minor Computer Science</b> , McGill University	2017
	First Class Honours, GPA: 3.80/4.00	
<b>TOOLS</b>	<b>Software:</b> Python, Tensorflow, Pytorch, Git, Java, C++	
	<b>Open Source Contributions:</b> MLJS Matrix, AttentionRNN, Keras, Faker	
<b>EXPERIENCE</b>	<b>Graduate Student Research Assistant</b>	September 2017 - present
	Reasoning and Learning Lab, Montreal Canada	
	<ul style="list-style-type: none"> <li>Interests in meta-active Bayesian deep learning, graph neural networks and applications of deep learning to genomics.</li> </ul>	
	<b>Deep Learning Research Associate</b>	April 2017 - Nov 2017
	Datalogue, Montreal Canada	
	<ul style="list-style-type: none"> <li>Implemented and shipped production-level deep conditional random fields for entity recognition, convolution neural networks for classification and attention-based recurrent neural networks for machine translation.</li> <li>Improved accuracy of main product from 90% to 94% with a 13× reduction in parameters.</li> </ul>	
	<b>Computational Oncology Research Assistant</b>	Jan 2015 - April 2017
	Gravel Lab, McGill University	
	<ul style="list-style-type: none"> <li>Developed a theoretical cancer model with 7,000+ lines of Python with eventual use of a C++ model to investigate tumor heterogeneity.</li> <li>Deployed code on high performance clusters to speed up experiments</li> </ul>	
	<b>Co-Founder, Scientific Lead</b>	June 2015 - Dec 2015
	QuantiScience, Montreal	
	<ul style="list-style-type: none"> <li>Engineered an algorithm to extract heart rate variability and infer mental stress from data obtained by the Fitbit Charge HR.</li> <li>Launched product to 3 beta testers and demoed in San Francisco as part of the top 10% of the AngelHack HACKcelerator.</li> </ul>	
<b>PUBLICATIONS + WRITING</b>	<b>Ahmed Z.</b> and Gravel S (2017). <i>Genetic Diversity in Circulating Tumor Cells</i> , 6th RECOMB Satellite Workshop on Computational Cancer Biology. [doi:10.1101/113480]	
	<b>Ahmed Z.</b> (2017). <i>How to Visualize Your Recurrent Neural Network with Attention in Keras</i> , Datalogue Technical Blog [30,000+ views and 545 claps]	
<b>AWARDS</b>	<b>Canada Graduate Scholarship</b> , CIHR	2017-2018
	<b>Industry Experience Award</b> , NSERC	2017
	<b>Computational Biology Summer Award</b> , CIHR	2015 & 2016
	<b>1st Place</b> , Microsoft BrunchHack: Machine Learning	2015
	<b>Natural Language Processing Prize</b> , Big Data Week Hackathon	2015
<b>SELECTED TALKS</b>	<b>Introduction to the Attention Mechanism</b> , Montreal Deep Learning Meetup	2017
	<b>The Rise of Conversational AI</b> , Montreal Inaugural Chatbot Meetup	2016
	<b>Predicting with Data</b> , Osmos Academy	2016
<b>VOLUNTEER POSITIONS</b>	<b>Founding Member and Co-Vice-President Events</b>	2015 - 2017
	McGill Integrative Bioscience Students Society	
	<ul style="list-style-type: none"> <li>Launched a club for interdisciplinary biologists, successfully partnering with Google and Microsoft. Organized 5 events with an average of 80+ people per event.</li> </ul>	
<b>SELECTED PROJECTS</b> (full portfolio at <a href="http://www.zafarali.me">www.zafarali.me</a> )	<b>Towards electroencephalography-based prosthetics</b>	Sept 2015 - Dec 2015
	COMP 598: Applied Machine Learning [Grade: A]	
	<ul style="list-style-type: none"> <li>Compared transfer learning approaches versus personalized learning of neural networks, logistic regression and support vector machines as software for 3D printed arms.</li> </ul>	