Toronto Machine Learning Society (TMLS)

Bonus Virtual Workshops November 22nd -23rd

THIS IS SUBJECT TO CHANGE -Please see website for most up-to-date program

Nov 22nd

10:00 AM

How to Represent Financial Securities in Form of Embeddings Using Graph Machine Learning

Bhaskarjit Sarmah, Senior Data Scientist, **BlackRock** 

Nov 22nd

Building a Movie Recommendation System with Feature Stores\*

Danny Chiao, Eddie Esquivel, Engineering Lead, Sr. Solutions Architect, **Tecton** 

10:00 AM

\* Includes Special Case Study: How Shopify Uses Feast to Manage its ML Features

Abhin Chhabra Senior Data Engineer / Tech Lead, **Shopify** 

Nov 23nd

10:00 AM

# **An Introduction to Drift Detection**

Ashley Scillitoe, Data science Research Engineer, Ed Shee, Head of Developer Relations, Seldon

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Toronto Machine Learning ( Society (TMLS)

Day : In-Person Workshops November 28th

\*Colors Don't Apply

10: 00 AM	<b>Graph Neural Network Modeling in Drug Discovery using PyTorch</b> Dr. Nasim Abdollahi , Postdoctoral Fellow, ML Researcher, <b>University of Toronto,</b> Dr. Farnoosh Khodakarami, Computer Scientist and ML Researcher, <b>Cyclica</b>
10: 00 AM	<b>Demystifying De-Identification</b> Patricia Thaine, Co-Founder & CEO, <b>Private AI</b>
10: 00 AM	<b>Open Source Intelligent Application Delivery on Kubernetes</b> Arthur Vitui, Senior Data Scientiest & Solution Architect Specialist, Todd Wilson Chief Strategist, <b>Red Hat</b>
12:00 PM	<b>Graph ML – The Next Level of Machine Learning</b> Jörg Schad, CTO, <b>ArangoDB</b>
12:00 PM	Introduction to NLP & a Step by Step Implementation of a Real world Use Case from TELUS Mahmudul Hasan, Lead Data Scientist, TELUS Business Marketing
12:00 PM	<b>Distributed Training with PyTorch</b> Shagun Sodhani, Research Engineer, <b>Meta Al</b>
2:00 PM	<b>Beyond the Basics: Data Visualization in Python</b> Stefanie Molin, Software Engineer / Data Scientist/ Author, <b>Bloomberg</b>
2:00 PM	<b>Time Series Anomaly Detection with Machine Learning</b> Angeline Yasodhara, Benjamin Ye, Research Scientists, <b>Georgian</b>
2:00 PM	Hands workshop: Introduction to Kubernetes for MLOps Eric Hammel, Asim Sultan, MLOps Engineers, Rocket Science Development
4: 00 PM	NLP for Healthcare: Challenges with Processing and De-identifying Clinical Notes

Chloé Pou-Prom, Data Scientist, Vaakesan Sundrelingam , Data Scientist, **Unity Health Toronto** 

6:00 PM

# Iterating on NLP models from R&D to Production

Denys Linkov, ML Lead, Voiceflow

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#### **SESSION TRACKS**

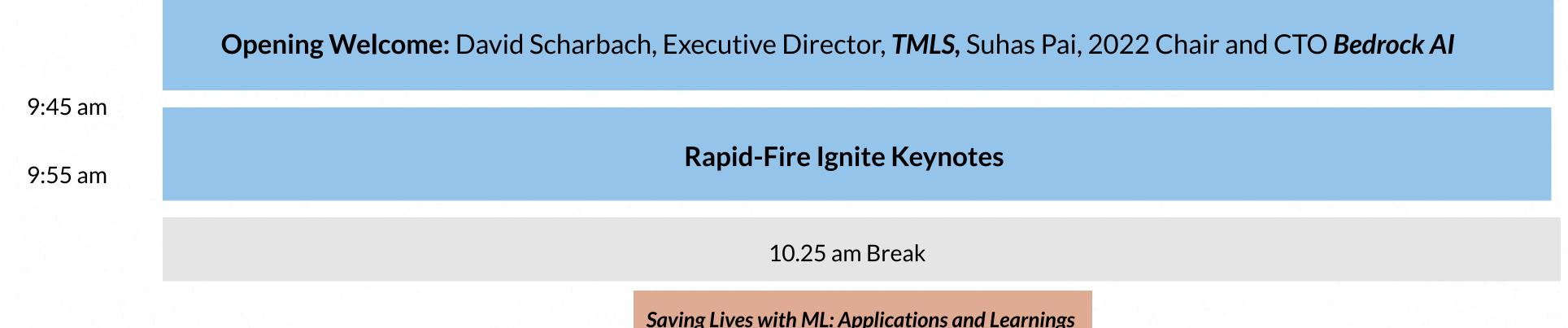
#### For Ticket Holders <u>REG HERE</u>

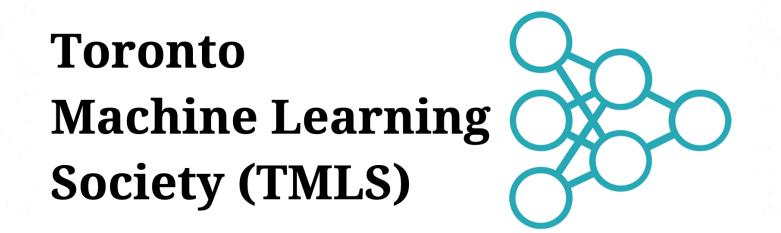
<b>Business &amp; Strategy</b>	Technical
Case Studies	Workshops

Free Public Tracks <u>REG HERE</u>

Exhibitior Demo Presentations & Speakers Corner

# November 29th: In Person, Toronto Canada





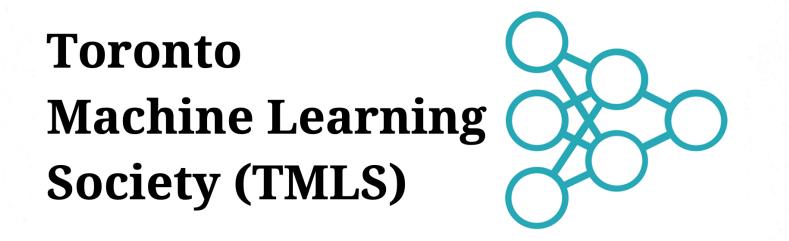
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10:55 am		Muhammad Mamdani, VP, Data Science and Advanced Analytics; Director: Temerty Centre for AI Research and Education in Medicine; Professor <b>Unity Health Toronto, University of Toronto</b>			
11:35 am	Lightning Ignite Talks & Group Discussions Various Topics to be Covered	From Silo to Collaboration - Building Tooling to Support Distributed ML Teams at Twitch Shiming Ren, Chen Liu, Sr. Engineering Managers; Safety, MLOps and Infrastructure & Personalization and ML Infra	Saga: Continuous Construction and Serving of Large Scale Knowledge Graphs Ihab Ilyas,Professor, Head of Apple Knowledge Platform, ACM Fellow, IEEE Fellow Apple, Universitry of Waterloo		
	12:05 pm Lunch Break   Exhibition   Brain-Dates via Whova App				
1:15 pm	The Risks of Excluding the Disengaged from your Dataset Danielle Goldfarb, Global Affairs / Economic Policy Researcher RIWI (Real-Time Interactive Worldwide Intelligence)	The Application of Mobile Location Data for Vending Machine Site Selection and Revenue Optimization Nikita Medvedev, Winston Li Director of Advanced Analytics, Founder, Coca-Cola, Arima	Declarative Machine Learning Systems: Ludwig & Predibase Piero Molino, CEO Predibase		
1:50 pm	Lightning Ignite Talks & Group Discussions Various Topics to be Covered	Real-time Machine Learning: Architecture and Challenges Chip Huyen, CEO, Author Claypot Al	Navigating the Tradeoff Between Privacy and Fairness in ML Jesse Cresswell, Senior Machine Learning Scientist <b>Layer 6, TD Bank</b>		

2:30 pm Break | Exhibition | Brain-Dates via Whova App

2:55 pm	Drug Discovery and Disease Biology Panel Discussion	<b>Optimal Beer Pricing: An Optimization Layer</b> <b>for Price Elasticities</b> Eric Hart , Staff Data Scientist <b>Anheuser-Busch</b>	Outracing Champion Gran Turismo Drivers with Deep Reinforcement Learning Varun Raj Kompella, Senior Research Scientist Sony Al		
3:30 pm	Sensitivity & Interpretability of Al- Models Hanieh Arjmand, ML Researcher Lydia.ai	How Freshbooks Built a Fully Automated ML Platform Using Kubeflow; A Declarative Approach to Development of End-to-end ML Pipelines. Valerii Podymov et al., Lead Data Scientist FreshBooks	<b>PyScript for Data Science</b> Sophia Yang Senior Data <b>Anaconda</b>		
	Social Events				
	Day 1 Program Ends Networking				
4:15 - 5:30 pm	Day 1 Wrap- up & Happy Hour Social عَجْعَجْنُ Special Activities & Sponsor Parties!				

# READ FULL TALK ABSTRACTS AT www.torontomachinelearning.com



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<b>Business &amp; Strategy</b>	Technical
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Exhibitior Demo Presentations & Speakers Corner

# November 30th: In Person, Toronto Canada 9:45 am **Opening Welcome:** David Scharbach, Executive Director, **TMLS Rapid-Fire Ignite Keynotes** 9:55 am 10.25 am Break

10:55 am		HOLD SPOT: Scaling & Evolving the Machine Learn Platform at DoorDash Hien Luu, Head of Machine Learni Platform DoorDash		the Most of Limite Anne Martel, Professo Oncology, Fa <b>University of Toronto</b> ,	Digital Pathology: Making ed Annotated Data or, Tory Family Chair in culty Affiliate, , Sunnybrook Research ctor Institute
11:35 am	Lightning Ignite Talks & Group Discussions Various Topics to be Covered		HOLD SPOT: Transforming The Retail Industry with Transformers Azin Asgarian, Applied Research Scientist Georgian		Interpretability Tools are Feedback Loops Jinen Setpal, ML Engineer DagsHub
	12:05 pm Lunch Break   Exhibition   Brain-Dates via Whova App				
1:15 pm		Marketplace Experimentation in Live Environments at SpotHero: Design, Methods, Lessons Learned Amish Popli Data Scientist, SpotHero		Confidential and Private Collaborative Machine Learning Adam Dziedzic, University of Toronto and Vector InstituteP	
1:50 pm	Panel: Managing AI and the Associated Risks in a Regulatory Environment		Assessing Alignment of Using NLP for the Quoc Tien Au & Ay Scientist, D Manifest	rsha Cotterill, Data ata Analyst	Latent User Intent Modeling in Recommender Systems Bo Chang, Software Engineer Google Brain



This program will be updated and is subject to changes. Please refer to website

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