



## What can you do with a PhD in mathematics anyway? A career panel for graduate students in mathematics



**Chia-Cheng Liu**

Chia-Cheng studied geometric representation theory and graduated in 2019. His first industry job was a Machine Learning Scientist at Chisel AI. He joined Amazon in 2020 as an Applied Scientist working in the advertising area.



**Xiao Liu**

Xiao is a Vice President in quantitative analytics in the Equity desk in Barclays USA. Dr. Liu is working on developing pricing modes for the financial derivatives, including Fixed income, Equity, FX and Metal products. Dr. Liu earned a PhD in Applied Math in University of Toronto in 2013. He received his BS in Mathematics from the University of Science and Technology of China in 2007.



**Daniel Soukup**

After graduating in 2015, Daniel has been working as a postdoc researcher, data scientist, and educator at various academic and industry positions.



**Yuan Yuan Zheng**

Yuan Yuan obtained her PhD in 2018 with her thesis in Ramsey theory. She then started working as a Software Engineer at Intel on an FPGA compiler. At Intel, Yuan Yuan has been designing and implementing algorithms to improve the performance of the compiler.



**Kyle Thompson**

Kyle graduated from the University of Toronto in 2016 with a PhD in mathematics under the supervision of Professor Jerrard. After graduation, he moved to New York City for the summer to participate in a boot camp program run by The Data Incubator, which prepares graduates from STEM programs for careers in data science. He then started his career as a data scientist working for an online pharmacy startup called PillPack. In 2019, he moved back to Toronto and started working as a data scientist for League, another startup, in the health and benefits space.



**Max Trokhimtchouk**

Maxim is an entrepreneur and mathematician, holding a Ph.D. in Mathematics from University of California at Berkeley, as well as a Specialist of Mathematics from University of Toronto. He is currently a CEO and Founder of Featuremine Corporation, a Toronto based startup specializing in quantitative trading tools for traders everywhere at any level of expertise. Recently, he has founded a new company, Recurrent Dynamics, based on a transformative vision for advancing AI capabilities.



**Huan Vo**

Huan got his Ph.D. in Math in 2018 under the supervision of Prof Dror Bar-Natan. Currently he is a senior data scientist in the Analytics team at Aviva Canada. His team focuses on building pricing models for auto, home, commercial insurances, and to maintain a robust modelling pipeline. He is also very interested in all the latest developments in AI, in particular those related to deep learning.

[U of T Career Centre](#) Representative: Jonathan Turner, Career Educator

**The Department of Mathematics is hosting a panel discussion**  
with alumni working in the fields of machine learning, finance, data science, other interesting fields.

This event also includes 2 presentations by representatives from [Mitacs](#) and [Palette](#)

Friday, May 7, 2021  
Zoom Web Conferencing  
2:00 – 5:00 PM