CURRICULUM VITAE
ARTEM STRELTSOV

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Education

2025	PhD in Finance (minor in Computer Science)	*Johnson Graduate School of Management, Cornell University*
2024	Master's in Finance	*Johnson Graduate School of Management, Cornell University*
2017	Master's in Economics (also met requirements for a Math major)	*Duke University*
2015	Bachelor's in Economics (highest distinction)	*Moscow State Institute of International Relations*

Work Experience

08.2025-	**Assistant Professor of Finance**	*School of Management* University at Buffalo The State University of New York
09.2017-08.2019	**Research Associate** Carried out energy related research using economic modelling and machine learning techniques leading to 3 publications in top energy journals, developed graphics software, managed student research projects	*Duke University Energy Initiative* Duke University
05.2017-07.2017	**Data Scientist** Project: "Online Financial Behavior and the Internet of Things" Analyzed behavioral and transactional data provided by TD-Bank. Created a machine learning framework that connects IoT unstructured lifestyle databases with TD financial products. Client: TD-Bank	*Information Initiative at Duke* Department of Mathematics Duke University
05.2016-07.2016	Project: "NC Budget Data and Policy" Created an automated tool over R that collects data from official state budgets in pdf format and generates an analyzable database. Developed a budget visualization tool, carried out budget component analysis. Client: NC Justice Centre	
03.2016-05.2017	**Research Assistant** Developed MATLAB scripts for a nowcasting project using financial econometrics techniques	*Fuqua School of Business,* Department of Finance Duke University

Languages

- Russian (native)   - English (fluent)

Working papers

"Generating Exposures with Large Language Models: Insights into M&A Activity" (solo)

"Keeping the Faith (and the Returns): An AI approach to Values-based Investing" with Maureen O'Hara

"Perpetual Contracts and Cryptocurrency Market Quality" with Qihong Ruan

"Understanding Adaptive Immune Response with Deep Learning" with Quaid Morris, Olga Lyudovyk

"Inflation Expectation and Cryptocurrency Investment" with Lin William Cong, Pulak Ghosh, Jiasun Li and Qihong Ruan

Conference presentations and other publications

A. Streltsov. "Generating Exposures with Large Language Models: Insights into M&A Activity". Conference for Financial Economics and Accounting (2024), Generative AI in Finance (2024), 20th Annual Finance Conference at WashU (2024, PhD poster session), Cornell University (2024)

Q. Ruan and A. Streltsov. "Perpetual Contracts and Cryptocurrency Market Quality". EMI Conference (2022), MFA (2023) – 1 of 6 PhD papers selected, Cryptocurrency Research Conference (2024), FMA (2024), CBER PhD Job Market Symposium (2024), UCSB-ECON Defi seminar (2024), Cornell Brown Bag (2024)

M. O'Hara and A. Streltsov. "Keeping the Faith (and the Returns): An AI approach to Values-based Investing". Cornell Brown Bag (2024)

L.W. Cong, P. Ghosh, J. Li, Q. Ruan and A. Streltsov. "Inflation Expectation and Cryptocurrency Investment". RSFE (2025, best paper prize), scheduled for AFA (2026)

One of the authors of the FinTech@Cornell and Cornell Convenes Report on Digital Assets

O. Lyudovyk, Q. Morris and A. Streltsov. "T-cell mediated response to emerging COVID-19 strains in patients with cancer studied via deep learning". Cancer Res, 2023 and NYAS AI in healthcare

A. Streltsov, K. Bradbury, J. Malof. "Automated building energy consumption estimation from aerial imagery" IEEE IGARSS, 2018

K. Bradbury et al (2018). "Distributed Solar Photovoltaic Array Location and Extent Data Set for Remote Sensing Object Identification". Dataset. https://doi.org/10.6084/m9.figshare.3385780

Peer-reviewed journal publications

"What you get is not always what you see: pitfalls in solar array assessment using overhead imagery" with Wei Hu, Kyle Bradbury, Jordan Malof, Bohao Huang, Applied Energy, vol. 327, 2022

"GridTracer: Automatic Mapping of Power Grids using Deep Learning and Overhead Imagery" with Kyle Bradbury, Jordan Malof, Leslie Collins, Bohao Huang, IEEE JSTARS, 2021

"Estimating residential building energy consumption using overhead imagery" with Jordan Malof, Bohao Huang, Kely Bradbury, Applied Energy, vol. 280, 2020

Teaching Assistantships

Cornell University: NBA5600 (Demystifying Big Data and FinTech, Lin William Cong), NBA5430 (Financial Markets and Institutions, Maureen O'Hara), CS5780 (Machine Learning for Intelligent Systems,

Thorsten Joachims), BANA5250 (Machine Learning for Investment, Lin William Cong), AEM4670 (Investments, Justin Murfin), AEM4630 (Asset Pricing and Portfolio Management, Justin Murfin), AEM4570 (Corporate Finance, Scott Yonker), AEM4230 (Behavioral Finance, Vicki Bogan), AEM2050 (Agricultural Finance, Christopher Wolf), AEM1200 (Intro to Business management, David Taylor)

Programming packages and languages

Extensive experience: ArcGIS, LaTeX, MATLAB, Microsoft Office, Qt, R, Stata, Tableau, Visual Basic, Python (including deep learning libraries Tensorflow and Pytorch), SQL

Some experience: Amazon MTurk, C++, Eviews, Gretl, SAP, SAS

Extracurricular certificates and Summer Schools

Coursera specializations: Deep Learning, Natural Language Processing, Reinforcement Learning, Machine Learning and Reinforcement Learning in Finance, Financial Engineering and Risk Management, Entrepreneurial Finance, Generative Adversarial Networks
- Northwestern Causal Inference Workshop (2023)
- Rodney L. White Summer School on Structural Estimation in Corporate Finance (2023)

Scholarships, Fellowships and Grants

- WashU Olin 20th Annual Finance Conference PhD Award 2024
- Harold L. Bache Doctoral Award in Finance 2023
- Microsoft Azure Cloud Computing Grant, Center for Data Science for Enterprise and Society 2023. "AI for Financial Policy and Managerial Decision-Making"
- Finance PhD 2022 Byron E. Grote, MS '77, Ph.D. '81 Johnson Professional Scholarship
- FinTech@Cornell 2022-2023 student fellowship
- FinTech@Cornell research grant
- Cornell Emerging Markets Institute research grant
- Cornell University full PhD scholarship 2019-2025
- Duke University Merit Scholarships and Scholar Awards 2015-2019

Media Coverage

Blog Post, Maxar, "GBDX for Sustainability Challenge: Making solar count— automatically identifying renewable energy infrastructure.", 4 May 2018: https://blog.maxar.com/earth-intelligence/2018/gbdx-for-sustainability-challenge-making-solar-count-automatically-identifying-renewable-energy-infrastructure
Blog Post, Amazon Web Services (AWS), "Q&A with GBDX for Sustainability Challenge Finalists.", 14 May 2018: https://aws.amazon.com/blogs/publicsector/qa-with-gbdx-for-sustainability-challenge-finalists/

PhD Committee

Lin William Cong (chair)	**Murillo Campello (co-chair)**
Professor of Finance, Cornell University	Eminent Scholar in Finance, University of Florida
will.cong@cornell.edu	murillo.campello@warrington.ufl.edu
Maureen O'Hara	**Thorsten Joachims**
Professor of Finance, Cornell University	Professor of Computer Science, Cornell University
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