Cornelia Paulik

Curriculum Vitae updated February 2026

Contact Information

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Research Interests

My research centers on health applications of AIML, using foundational models in natural language processing and computer vision. I teach Applied ML and Fundamentals of Generative AI to Master's students in the School of Information at UC Berkeley.

Academic and Professional Experience

UC-Berkeley
Assistant Professor of Practice, School of Information — 2023 - Present
Lecturer, School of Information — 2020 - 2023
Postdoctoral Fellow, School of Information — 2020 - 2021

UCSF, UC-Berkeley
Affiliate Faculty, Computational Precision Health — 2026 - Present

Stanford University
Visiting Scholar, Doerr School of Sustainability — 2024 - Present
Research Scientist, RegLab — 2021 - 2022

UW-Madison
Faculty Associate, Department of Applied Economics — 2018 - 2020
Research and Teaching Assistant, Department of Applied Economics — 2012 - 2017

Analysis Group
Associate, Menlo Park, CA — 2017 - 2018

University of Zürich, Switzerland
Research Assistant, Department of Economics — Jan-May 2011

EPFL, Switzerland
Research Assistant, Department of Computer Science — May-Aug 2010

DHL, Belgium
Intern Data Analyst — Jan-Sept 2009

Education

UW-Madison, Ph.D. in Applied Economics — 2012 - 2017

University of Lausanne, Switzerland, M.S. in Economics — 2009 - 2011

Academy of Economic Studies of Bucharest, B.S. in Economics — 2004 - 2008

Journal Publications

[4] **C. Ilin (Paulik)**, *Utilizing Prenatal Data for Early Detection of Pediatric Health Risks: An Exploratory Approach for Improved Clinical Outcomes.*, Nature Scientific Reports, volume 14, article number: 15350, 2024.

[3] R. Hardy[#], J. Klepich[#], R. Mitchell[#], S. Hall[#], J. Villareal[#], **C. Ilin (Paulik)**, *Improving Nonalcoholic Fatty Liver Disease Classification Performance with Latent Diffusion Models*, Nature Scientific Reports, volume 13, article number: 21619, 2023, [#] = student co-author.

[2] **C. Ilin (Paulik)***, S. Annan-Phanl*, X.H. Tail*, S. Mehra, S. Hsiang, J. Blumenstock, *Public Mobility Data Enables COVID-19 Forecasting and Management at Local and Global Scales*, Nature Scientific Reports, volume 11, article number: 13531, 2021, * = equal contributions.

[1] **C. Ilin (Paulik)**, G. Shi, *Competition, Price Dispersion and Capacity Constraints: The Case of the U.S. Corn Seed Industry*, European Review of Agricultural Economics, 2021.

Work in Progress

[4] Jyu-Lin Chen, C. Ilin (Paulik), *SHAPE: Safe Human-Centered Approach for Pediatric Medication Administration Errors.*

[3] Jyu-Lin Chen, C. Ilin (Paulik), *Smartphone-based Breast Cancer and Obesity Prevention Education (US SCOPE) program intervention.*

[2] **C. Ilin (Paulik)**, R. Castillo, V. Vankadaru, V. Kuruppu, *PedRAG: Question Answering with Age-Aware Adaptations for Pediatric Health'.*

[1] **C. Ilin (Paulik)***, J. Tseng*, K.C. Coy*, A.C. Ewing, T. Chong, S.M. Marks, I. Bolliger, N.M. Gonzalez, K. Bell, A.J. Hakim, S. Hsiang, *Global Health and Economic Impacts of Behavior Change During the COVID-19 Pandemic*,in preparation for submission, PNAS, * = equal contributions.

Manuscripts and Posters

[3] K. Cook, O. Ali, D. Gupta, **C. Ilin (Paulik)**, D. Holmqvist, D. Lee, E. Tuttle, P. Bradt, *Longitudinal Matching. A Method for Generating Comparable Samples of Treatment and Treatment-Naive Patients with Progressive Conditions*, Value in Health, 21:S396, 2018

[2] *Effect of Leptin Replacement Therapy on Survival and Disease Progression in Generalized and Partial Lipodystrophy*, Analysis Group, 2018.

[1] *Patient Quality of Life and Benefits of Leptin Replacement Therapy in Generalized and Partial Lipodystrophy*, Analysis Group, 2018.

Teaching Experience

UC Berkeley

Fundamentals of Generative AI	Summer 2025 - Present
Applied Machine Learning	Spring 2020 - Present
Capstone	Spring, Summer, Fall 2022-2023; Spring 2025

UW-Madison

Lecturer, Fundamentals of OOP and Data Analytics using Python	Summer 2029
Lecturer, Practicum for Applied Economists	Spring and Fall 2029
TA, World Hunger and Malnutrition	Spring 2017
TA, Applied Econometric Analysis I	Fall 2016
TA, Applied Microeconomic Theory	Fall 2014
Lecturer, Math Camp for Incoming M.S. and Ph.D. Students	Summer 2014

Fellowships, Affiliations, Scholarships and Grants

Science of ADRD Workshop (competitive), University of Southern California	2022
Research Grant, American Bar Association	2016
Ph.D. Summer Program (competitive), Edgeworth Economics, Washington, DC	2016
Kenneth and Pauline Parsons Graduate Fellowship Fund, UW-Madison	2016
Best Paper Presentation Award, UW-Madison	2016
SASC Graduate Funds, University of Lausanne	2010 - 2011
Hessen Summer School (competitive), Goethe University Frankfurt, Germany	2008
WU Summer School (competitive), WU Wien, Austria	2007
Excellency in Research Award, Academy of Economic Studies of Bucharest, Romania	2007

Seminar and Conference Presentations	UC Berkeley-Oxford Summer Ph.D. Program	2025
	UCSF, Computational Precision Health, AI/ML for Women's Health group	2025
	Stanford University, Doerr School of Sustainability	2024
	UC Davis, Statistics Department	2023
	Stanford Maternal and Child Health Research Institute Symposium	2021, 2022
	Association of Environmental and Resource Economics	2020
	UW-Madison, Healthcare Group Seminar	2016, 2019
	University of Connecticut, Department of Economics	2017
	European Association for Research in IO (Rising Stars section), Lisbon, Portugal	2016
	AAEA Meetings, Boston, Massachusetts	2016
Professional Activities	Reviewer for Nature Scientific Reports	2022
	Reviewer for the American Public Health Association	2019
	Social Chair, THC Club, UW-Madison	2015 - 2016
	Seminar Organizer, THC Club, UW-Madison	2014 - 2015
Language Skills	English (fluent), Romanian (native)	