

CONTACT
INFORMATION102 South Hall Rd, room 305B
Berkeley, CA 94720cornelia.paulik@berkeley.edu
<http://corneliailin.github.io>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 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 |

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, Romania

| | |
|-------------------|-------------|
| 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 [3] **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*, under review, Nature, 2021, * = equal contributions.
- [1] **Cornelia Ilin (Paulik)**, Luke Sherman, Sol Hsiang,, “Mapcasting project: Predicting Women’s Health Outcomes Using Satellite Imagery, Climate Data, and Electronic Health Records.”

- 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**

| | |
|--------------------------|---|
| 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

| | |
|---|----------------|
| UCSF Affiliate, Computational Precision Health | 2025 - Present |
| 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

| | |
|--|------------|
| 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) |
|-----------------|-------------------------------------|