

# Mona Schirmer

PhD Candidate in Machine Learning

📍 Amsterdam    ✉ m.c.schirmer@uva.nl

🌐 monasch.github.io    🐦 monaschir    🌐 monasch

## EDUCATION

---

<b>PhD Candidate in Machine Learning</b> AMLab, University of Amsterdam Supervisor: Eric Nalisnick Thesis topic: Uncertainty Quantification	2022 - present Amsterdam
<b>M.Sc. Statistics</b> Technical & Humboldt University Berlin Final grade: 1.2 (GPA: 3.9/4) Thesis: Continuous-Discrete Recurrent Kalman Networks (Grade: 1.0)	2019-2021 Berlin
<b>Diplôme d'Ingénieur Statisticien Économiste (M.Sc.+B.Sc.)</b> ENSAE Paris Final GPA: 3.6/4 Core subjects: Applied Mathematics, Statistics, Econometrics, Machine Learning	2017-2019 Paris
<b>B.Sc. Economics</b> Humboldt University of Berlin Final grade: 1.5 (GPA: 3.6/4) Thesis: Representation Learning for Analysing the Evolution of Economic Literature (Grade: 1.0)	2015-2019 Berlin
<b>B.A. Political Science</b> University of Munich Final grade: 1.5 (GPA: 3.6/4) Thesis: Asian Drivers in Africa: Economic Engagement of India and China (Grade: 1.3)	2011-2015 Munich

## RESEARCH EXPERIENCE

---

<b>Research Assistant</b> The World Bank Supervisor: Sam Fraiberger Project: Causal Knowledge Extraction from Scientific Text	2022 - 2024 remote
<b>Research Intern</b> Bosch Center for AI Supervisor: Maja Rudolph Project: Continuous-time Modelling	Apr - Sep 2021 remote
<b>Research Intern</b> Information Systems Chair, Humboldt University of Berlin Supervisor: Stefan Lessmann, Alona Zharova Project: Probabilistic Text Mining for Topic Extraction from Scientific Text	Jul - Aug 2018 Berlin

## PUBLICATIONS

---

Preprint

**Schirmer, M.**, Zhang, D., Nalisnick, E. (2024) Test-Time Adaptation with State-Space Models. *Preprint*.

NeurIPS DistShift

**Schirmer, M.**, Zhang, D., Nalisnick, E. (2023) Beyond Top-1 Agreement: Using Divergences to Forecast Performance under Distribution Shift. *NeurIPS 2023 Workshop on Distribution Shifts*.

EMNLP Findings

Lasri, K., Quinta de Castro, P., **Schirmer, M.**, San Martin, L., Wang, L., Dulka, T., Naushan, H., Pougué-Biyong, J., Legovini, A., Fraiberger, S. (2023) EconBERTa: Towards Robust Extraction of Named Entities in Economics. *EMNLP Findings*.

ICML

**Schirmer, M.**, Eltayeb, M., Lessmann, S., Rudolph, M. (2022) Modeling Irregular Time Series with Continuous Recurrent Units. *International Conference of Machine Learning*.

ECML ML4ITS

**Schirmer, M.**, Eltayeb, M., Rudolph, M. (2021) Continuous-Discrete Recurrent Kalman Networks for Irregular Time Series. *ECML PKDD Workshop on Machine Learning for Irregular Time Series*.

## MISCELLANEOUS

---

### Grants & Awards

Travel grant, DAAD (2019)  
Winner, Paris Peace Forum Hackathon (2018)  
Travel grant, DAAD (2017)  
Travel grant, DFJW (2017)  
Travel grant, Economic Society of Humboldt University (2017)  
Travel grant, University of Munich (2013)  
Merit Scholarship, Roland Berger Foundation (2009-2011)

### Reviewing

ICML 2023, 2024  
NeurIPS 2023, 2024

### Invited Talks

ELLIS Alicante Unit (2022)  
EDA Group, CISPA Helmholtz Center for Information Security (2022)  
DAI-Labor, Technical University of Berlin (2022)

### Teaching

TA for Machine Learning 1 (Graduate, 2023)  
TA for Introduction to Machine Learning (Undergraduate, 2022)

### Professional Experience

Student Assistant Data Science @ Idalab, Berlin (2020-2021)  
Intern NLP @ OECD, Paris (2019)  
Project Student Machine Learning @ Deloitte, Paris (2019)  
Project Student Machine Learning @ Canal+, Paris (2018-2019)  
Student Assistant @ Chair of Statistics Humboldt University, Berlin (2016-2017)  
Student Assistant @ German Public Broadcaster ARD, Munich (2012-2015)