

# Peter Nicholas Krämer

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🌐 <https://pnkraemer.github.io>

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## RESEARCH INTERESTS

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Probabilistic machine learning, differential equations, probabilistic numerics.

## EDUCATION

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PhD Machine Learning University of Tübingen	Starting Sep 2019
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MSc Mathematics (Distinction) University of Bonn	Oct 2016 – May 2019
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BSc Mathematics in Business and Economics University of Mannheim	Sep 2013 – Jun 2016
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## TEACHING EXPERIENCE

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Seminar: Machine Learning for and with dynamical systems University of Tübingen. Jointly organised with Nathanael Bosch and Philipp Hennig	Apr 2021 – Aug 2021
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Teaching assistant: time series analysis University of Tübingen. Taught by Filip Tronarp	Oct 2020 – Apr 2021
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Teaching assistant: probabilistic machine learning University of Tübingen. Taught by Philipp Hennig	Apr 2020 – Aug 2020
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Teaching assistant for various lectures University of Bonn and University of Mannheim	Sep 2015 – Sep 2017
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## SELECTED PUBLICATIONS

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Nicholas Krämer, Jonathan Schmidt, Philipp Hennig. Probabilistic numerical method of lines for time-dependent partial differential equations. AISTATS, 2022.

Nicholas Krämer, Nathanael Bosch, Jonathan Schmidt, Philipp Hennig. Probabilistic ODE Solutions in millions of dimensions. ICML, 2022.

Jonathan Schmidt, Nicholas Krämer, Philipp Hennig. A probabilistic state space model for joint inference from differential equations and data. NeurIPS, 2021.

Nicholas Krämer, Philipp Hennig. Linear-time probabilistic solutions of boundary value problems. NeurIPS, 2021.

## REFERENCES

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Available upon request