

# Dr. André Bauer

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## ACADEMIC CAREER

### Argonne National Laboratory

ASSOCIATED RESEARCHER

*Lemont, United States*

*since January 2023*

### University of Chicago

POSTDOCTORAL RESEARCHER (PROF. FOSTER)

*Chicago, United States*

*since November 2022*

- Supervision of Ph.D. students
- Establishment of collaborations

### University of Würzburg

RESEARCH GROUP LEADER (PROF. KOUNEV)

*Würzburg, Germany*

*January 2021 — October 2022*

- Supervision of students
  - 4 PhD students (co-supervision)
  - 5 Bachelor students
  - 4 Master students
- Establishment of collaborations
- Support for teaching
- Acquisition of third-party funding

### University of Würzburg

RESEARCH ASSISTANT

*Würzburg, Germany*

*October 2016 — December 2020*

- Supervision of students
  - 14 Bachelor students
  - 3 Master students
- Establishment of collaborations
- Support for teaching

## SCHOOL & ACADEMIC EDUCATION

### University of Würzburg

HABILITATION

*Würzburg, Germany*

*since July 2022*

### University of Würzburg

DOCTORAL CANDIDATE, DR. RER. NAT. (COMPUTER SCIENCE)

*Würzburg, Germany*

*October 2016 — December 2020*

- **Dissertation** “Automated Hybrid Time Series Forecasting: Design, Benchmarking, and Use Cases”
- **Advisor** Prof. Dr. Samuel Kounev
- **Grade** Summa cum laude (1.0) — *Disputation December 22, 2020*

### University of Würzburg

MASTER OF SCIENCE IN COMPUTER SCIENCE

*Würzburg, Germany*

*October 2014 — September 2016*

### Blekinge Institute of Technology

SEMESTER ABROAD (ERASMUS PROGRAM)

*Karlskrona, Sweden*

*August 2015 — January 2016*

### University of Würzburg

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

*Würzburg, Germany*

*October 2012 — October 2014*

## AWARDS & SCHOLARSHIPS

### 2023 SPECTacular Award, Standard Performance Evaluation Corporation (SPEC)

The SPECTacular Award is given to individuals who have significantly exceeded expectations in their contributions to SPEC.

*Gainesville, United States*

*February 2023*

### Leadership Academy Fellowship, German Scholars Organization

The Leadership Academy Fellowship is awarded to 25 outstanding researchers from all disciplines.

*Berlin, Germany*

*January 2023*

### SPEC Kaivalya Dixit Distinguished Dissertation Award, SPEC

The SPEC Kaivalya Dixit Distinguished Dissertation Award is an annual award recognizing one outstanding doctoral dissertation within the scope of the SPEC Research Group in terms of scientific originality, scientific significance, practical relevance, impact, and presentation.

*Gainesville, United States*

*April 2022*

<b>Distinguished Dissertation Award</b> , Faculty of Mathematics and Computer Science The Distinguished Dissertation Award is an annual award for outstanding dissertations from the Faculty of Mathematics and Computer Science.	Würzburg, Germany July 2021
<b>Dissertation Award</b> , Unterfränkische Gedenkjahrstiftung für Wissenschaft The Dissertation Award is an annual award for outstanding dissertations from all disciplines.	Würzburg, Germany May 2021
<b>Summa cum laude</b> , University of Würzburg Grading of the doctoral thesis ‘Automated Hybrid Time Series Forecasting: Design, Benchmarking, and Use Cases’	Würzburg, Germany December 2020
<b>Winner of the FameLab State of Bavaria final</b> , British Council In this science communication competition, researchers must present their work in three minutes in an understandable and humorous way.	Regensburg, Germany March 2020
<b>Sokrates/Erasmus Grant</b> , University of Würzburg Mobility grant for a semester abroad in Sweden.	Würzburg, Germany August 2015 — January 2016
<b>Deutschlandstipendium</b> , University of Würzburg The Deutschlandstipendium supports talented and high-achieving students, taking into account not only first-class grades but also social commitment and special personal achievements.	Würzburg, Germany October 2014 — September 2015
<b>Heinrich-Thein Award</b> , Heinrich-Thein-Stiftung Award for talented students pursuing the “second-chance education”.	Haßfurt, Germany November 2009

## FUNDINGS

<b>Applicant for Google Research Grant (\$1,000)</b> GOOGLE	March 2023
<b>Applicant for research grant (\$347,235)</b> DEUTSCHE FORSCHUNGSGEMEINSCHAFT E.V.	January 2023
<b>Assistance for industrial project application (\$30,068)</b> DATEV EG	May 2022
<b>Assistance for industrial project application (\$71,200)</b> DATEV EG	July 2021
<b>Applicant for Normalverfahren Grant 2021 (\$3,234)</b> UNIVERSITÄTSBUND WÜRZBURG	April 2021

## SCIENCE COMMUNICATION

<b>21st Stuttgart Science Slam</b> LUUPS	Stuttgart, Germany October 2022
<b>FameLab State of Bavaria final</b> BRITISH COUNCIL	Regensburg, Germany March 2021
<b>6th Alumni-Science Slam</b> UNIVERSITY OF WÜRZBURG	Würzburg, Germany November 2020
<b>FameLab German final</b> BRITISH COUNCIL	Bielefeld, Germany May 2020
<b>FameLab State of Bavaria final</b> BRITISH COUNCIL	Regensburg, Germany March 2020
<b>14th Munich Science Slam</b> LUUPS	Munich, Germany February 2020
<b>33rd Dortmund Science Slam</b> LUUPS	Dortmund, Germany November 2019

## ACADEMIC FUNCTIONS & ROLES

<b>Program committee</b> INTERNATIONAL CONFERENCE ON DATA SCIENCE TECHNOLOGY AND APPLICATIONS 2023	since March 2023
<b>Program committee</b> INTERNATIONAL CONFERENCE ON TIME SERIES AND FORECASTING 2023	since February 2023

## Program committee

INTERNATIONAL SYMPOSIUM ON CLUSTER, CLOUD AND INTERNET COMPUTING 2023

since November 2022

## Organization committee

THE SECOND INTERNATIONAL WORKSHOP ON PERFORMANCE-DATA ANALYTICS AND DATA-MANAGEMENT

October 2022 — February 2023

## Program committee

INTERNATIONAL CONFERENCE ON UTILITY AND CLOUD COMPUTING 2022

June 2022 — December 2022

## Program committee (posters and demos)

INTERNATIONAL CONFERENCE ON AUTONOMIC COMPUTING AND SELF-ORGANIZING SYSTEMS 2022

June 2022 — September 2022

## Program committee

SYMPOSIUM ON SOFTWARE PERFORMANCE 2022

April 2022 — November 2022

## Program committee

INTERNATIONAL CONFERENCE ON TIME SERIES AND FORECASTING 2022

April 2022 — July 2022

## Organization committee

THE FIRST INTERNATIONAL WORKSHOP ON PERFORMANCE-DATA ANALYTICS AND DATA-MANAGEMENT

October 2021 — April 2022

## Founder and chair of the SPEC Predictive Data Analytics Group

SPEC RESEARCH GROUP

since June 2021

## Elected editor of the annual newsletter

SPEC RESEARCH GROUP

since April 2017

## Elected release manager of the RG Cloud Working Group

SPEC RESEARCH GROUP

October 2018 — May 2021

## Program committee (artifact evaluation)

INTERNATIONAL CONFERENCE ON PERFORMANCE ENGINEERING 2020

March 2019 — April 2020

## Publicity chair

INTERNATIONAL CONFERENCE ON PERFORMANCE ENGINEERING 2020

November 2018 — April 2020

## Program committee

WORKSHOP ON EVALUATIONS AND MEASUREMENTS IN SELF-AWARE COMPUTING SYSTEMS 2019

January 2019 — June 2019

## Publicity chair

WORKSHOP ON EVALUATIONS AND MEASUREMENTS IN SELF-AWARE COMPUTING SYSTEMS 2019

January 2019 — June 2019

## REVIEWING ACTIVITIES

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### Journals

- Empirical Software Engineering
- Journal of Systems & Software
- Transactions on Cloud Computing
- Transactions on Services Computing
- Journal of Parallel and Distributed Computing
- Journal of Future Generation Computer Systems
- Transactions on Network and Service Management
- Journal of Systems and Software

November 2022

September 2022

May 2021

February 2020

December 2019

March 2019

November 2018

March 2018

## Conferences

• International Symposium on Cluster, Cloud and Internet Computing 2023	January 2023
• International Conference on Utility and Cloud Computing 2022	October 2022
• Symposium on Software Performance 2022	September 2022
• International Conference on Time Series and Forecasting 2022	April 2022
• International Conference on Distributed Computing Systems 2021	February 2021
• International Symposium on Software Engineering for Adaptive and Self-Managing Systems 2020	February 2020
• International Conference on Performance Engineering 2020	November 2019
• International Middleware Conference 2019	June 2019
• International Conference on Utility and Cloud Computing 2018	September 2018
• International Conference on Self-Adaptive and Self-Organizing Systems 2018	May 2018
• International Symposium on Software Engineering for Adaptive and Self-Managing Systems 2018	February 2018
• International Conference on Dependable Systems and Networks 2018	January 2018
• International Conference on Performance Engineering 2018	November 2017
• International Conference on Self-Adaptive and Self-Organizing Systems 2017	June 2017
• Symposium on Modelling, Analysis, and Simulation of Computer and Telecommunication Systems 2017	May 2017
• International Symposium on Software Engineering for Adaptive and Self-Managing Systems 2017	February 2017
• International Conference on Software Engineering 2017	January 2017
• International Conference on Performance Engineering 2017	November 2016

## CERTIFICATES

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<b>Certificate Leadership (University of Würzburg)</b>	October 2022
<b>Certificate Academic Teaching (State of Bavaria)</b>	November 2020
<b>Certificate Academic Teaching (University of Würzburg)</b>	December 2019

## VOLUNTARY ACTIVITIES

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<b>Pen Pal Program</b>	Chicago, United States
OFFICE OF DIVERSITY AND INCLUSION UNIVERSITY OF CHICAGO	since February 2023
<b>Mentoring for students</b>	Würzburg, Germany
ALUMNIVEREIN UNIVERSITY OF WÜRZBURG	November 2019 — October 2022
<b>Supervision of scouts</b>	Würzburg, Germany
SCHWARZER HAUFEN WÜRZBURG (BDP E.V.)	July 2019 — February 2020
<b>Volunteer tutoring</b>	Würzburg, Germany
NACHBARSCHAFTSHILFE GROMBÜHL	September 2013 — September 2014
<b>Student council</b>	Schweinfurt, Germany
FRIEDRICH-FISCHER SCHULE	September 2010 — August 2011
<b>Volunteer fire brigade</b>	Horhausen, Germany
FFW HORHAUSEN E.V.	April 2003 — August 2009

## LANGUAGES

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**German** Mother tongue

**English** Business fluent