

MariusHerget

Master Student

Contact

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Links

Website www.mariusherget.de
ResearchGate www.researchgate.net/profile/Marius_Herget
GitHub www.github.com/MariusHerget

Education

10/17–09/20 **Master of Science**, *Ludwig Maximilian University, Munich, Computer science.*
10/14–09/17 **Bachelor of Science**, *Baden-Wuerttemberg Cooperative State University, Stuttgart, Applied computer science.*
08/11–07/14 **General higher education entrance qualification**, *Adam-Josef-Cüppers Technical College, Ratingen.*
Main subjects: Maths, Computer Science

Master Thesis

Title *Index Set Mappings for Multidimensional Views on PGAS Data Domains*
Supervisors Tobias Fuchs (LMU MUNICH)
Description The objective of the thesis is whether state-of-the-art conceptual approaches to sparse data storage can be abstracted to improve the adaptation of domain-specific computational intent to the underlying hardware. In particular, this involves the following tasks:

- A systematic analysis of state-of-the-art distribution and storage of sparse data
- Extending a given property classification system of general dense data distributions by sparse properties
- An universal vocabulary (specification language) of a concept abstraction and index set algebra utilizing the resulting sparse data distribution system

Bachelor Thesis

Title *Prediction of financial time series with artificial neural networks to recognize upcoming trends*
Supervisors Christian Bernecker (IBM Deutschland) & Prof. Dr. Gebhardt (DHBW Stuttgart)
Description Build an autonomic trading algorithm to beat the finance market

Experience

- Since 10/18 **Developer Microsoft Cloud**, MAKONIS, Munich.
- Microsoft Sharepoint, Nintex
 - Frontend and Backend development
 - Technical Consultant
- 10/17-09/18 **Phonestudy**, LMU, Munich.
- Research assistant
 - Development and improvement of the Backend application
 - Server management and programming of the backend service with focus on security, safety, and reliability
- 05/17–09/17 **Technical Support**, IBM, Munich.
- IBM Practical training (21 weeks)
 - Design/Evaluation/Implementation of analyze and prediction methods for time series
 - Bachelor thesis and developer documentation
- 01/17–02/17 **Technical Support**, IBM, Munich.
- IBM Practical training (6 weeks)
 - Preparing the bachelor thesis
 - Design/Evaluation/Implementation of prediction prototypes
 - Initial training in the development environment
- 06/16–09/16 **Exploratory Database Department**, IBM RESEARCH, Almaden (San Jose), USA.
- IBM Practical training (13 weeks)
 - Design/Evaluation/Implementation of an in-memory optimized indexing structure
 - Benchmarking within a large-scale distributed system
 - Scientific report and developer documentation
- 12/15–02/16 **Cloud**, IBM, Böblingen.
- IBM Practical training (9 weeks)
 - Developing of an IoT showcase environment
 - Integration of different technologies (microprocessor, networktopologies, TI SensorTag, cloud-platform) for combining a standalone demo environment
 - Bluemix showcase with TI SensorTag, IoT Foundation, Raspberry Pi
 - Documentation for user and developer
- 03/15–05/15 **Watson Team Germany**, IBM, Hamburg.
- IBM Practical training (6 weeks)
 - Follow-Up of the CeBIT 2015
 - Assistant to Watson sales
 - Draft of a Watson demo
- 03/15 **Response and Lead Management at CeBIT 2015**, IBM, Hannover.
- Exhibition: one week (IBM fair)
 - Organization of Start-Up-Companies (RLM)
 - Technical support in cooperation with Fairtec
 - Exhibition activity in the RLM team
- 10/14–11/14 **Response and Lead Management (RLM) IMT DACH**, IBM, Ehningen.
- IBM Practical training (5 weeks)
 - Support preparation of CeBIT 2015
 - Assistance in the migration of a reporting system (Jexma)

- 2014–2015 **Chip Online GmbH.**
- Freelance writer for the website of the Chip Online GmbH
 - Creating and publishing videos
 - Write of practical tips

- Since 2014 **Herget Design, Munich.**
- Freelancer: filmer / designer / cameraman
 - Organize and acquire new, regular customers
 - Self organized business with own time management
 - www.herget.design

Certificates

- 03/17 Professional Scrum Master™ level I, SCRUM.ORG

Curricular Commitment

- 12/14–02/15 German youth and trainee representation provision, IBM

Extracurricular Activities

- Since **Volunteer at German Red Cross, Munich.**
- 10/2015
- German Red Cross, Attendance Harlaching
 - Paramedic training (EMT-Basic)
- 09/2015–**Ambassador of the startup Blocks.**
- 07/2017
- Assistance and realization of the advertising strategy
 - Public relations
- 2010–2015 **Voluntary services of child and youth work in the leadership team of ministrants St. Lambertus, Mettmann.**

Personal References

- Christian **IBM Deutschland GmbH**
Bernecker Watson in Support - Data & Software Engineer (M.Sc. IT management; B. Sc. Business (administration) and engineering IT; Website: www.christianbernecker.de)
Contact: christian.bernecker@de.ibm.com
- Pinar Tözün **IT University of Copenhagen**
Associate Professor (Research on new hardware-software ecosystem for data management systems / Former research staff member at IBM Almaden Research Center)
Contact: ptozun@itu.dk
- Tobias Fuchs **Menlo Systems**
Senior Software Architect (Signal processing and visualization of extreme-precision stabilized lasers for optical frequency comb generation, high-resolution spectroscopy, LIDAR, astronomy, space borne metrology)
Former Research Associate, Ludwig Maximilian University, Munich: Distributed Data Structures with Support for Hierarchical Locality for HPC and Data-Driven Science (DASH Project)
Website: www.nm.ifi.lmu.de/~fuchst/ / <https://www.linkedin.com/in/fuchsto>
Contact: fuchs@mailbox.org

Computer skills

Basic Maxon Cinema 4D, Microcontrollers
Intermediate C, SQL, KQL, NodeJS, Prolog, LISP, OpenOffice, Linux, Microsoft Windows, Sharepoint, Azure, Office, diverse NoSQL implementations
Advanced C++, C#, Javascript, Typescript, Python, Adobe Creative Cloud, \LaTeX

Languages

German **Mothertongue**
English **Intermediate** *fluent*
Dutch **Basic**
French **Basic** *A2/B1*

Additional Qualifications

Since 03/13 Group leader, Katholische Jugendagentur Düsseldorf
Since 2010/2011 DELF-Diplom A2 / B1 (french language diploma)

Interests

- Photography
- Soccer
- Running
- Film
- Basketball
- Bouldering

Munich, September 26, 2020

Place, Date

Marius Herget