# Kevin Speyer


11th May 1987
Argentinian / German
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**PROFESSIONAL EXPERIENCE**

*Data Scientist* 1/2019 - Present
Cybertec Schönig & Schönig GmbH (Remote)

- Designed and implemented a high performance algorithm to optimize the use of resources in the meat industry.
- Researched a cost-effective way to reduce the amount of backup disks in wharehouse, implementing ML models.
- Managed a project to build a BI dashboard engine in PostgreSQL for a customer.

*Database Administrator* 9/2018 - 1/2019
Employed by Cybertec Schönig & Schönig GmbH, performing PostgreSQL consulting for Rappi (Remote)

- Conducted an integral diagnose of the main problems in core Databases regarding health and performance issues.
- Developed a series scripts to automatically clean up and maintain the principal Databases, reducing dead-space from over 90% to less than 10%.
- Created various Dashboards to monitor the most important health and performance metrics of the Databases.

*Teaching Assistant* 3/2012 - 9/2018
Physics Department, Faculty of Exacact and Natural Sciences, University of Buenos Aires.

**EDUCATION**

*PhD in Computational Physics* 2014 - 2019
University of Buenos Aires, CNEA-CONICET
Title: "Simulations of liquid flow confined by semiflexible polymer brushes"
PhD Supervisor: Dr. Claudio Pastorino
Published 3 scientific articles in top journals in the field

*Diploma in Physics (M.S. equivalent)* 2006 - 2014
Average: 9.26 / 10
Faculty of Exacact and Natural Sciences, University of Buenos Aires

**IT SKILLS**

*Languages & Software:* Python (numpy, scipy, matplotlib, scikit-learn, pandas, Keras, TensorFlow, PyTorch, Cython), SQL, Fortran, Matlab, C++

*Infrastructure & Environment:* Linux (RHLE, Ubuntu), git, AWS (EC2, RDS, Lambda, S3)

**LANGUAGES**

Spanish, English, German, Portuguese

**INTERESTS**

- Mathematical Modeling and High Performance Computing

- Statistical Analysis of Big Data and Machine Learning
  (see personal projects in www.github.com/kevo-speyer/)
- Process Automation with single-board microcontrollers

**SCHOLARSHIPS** *Research Project* 5/2018 - 7/2018
German Academic Service Exchange (DAAD), University of Göttingen, Germany

*PhD Studies* 4/2014 - 3/2019
National Scientific and Technical Research Council (CONICET)

*Workshops* 10/2016 & 3/2016
International Centre for Theoretical Physics (ICTP) to participate in High-Performance Computing Workshops in Trieste, Italy