

Kevin Speyer

11th May 1987

Argentinian / German

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PROFESSIONAL EXPERIENCE	<i>Database Administrator</i> Employed by Cybertec Schöning & Schöning GmbH (Austria), performing PostgreSQL consulting for Rappi (Colombia) <ul style="list-style-type: none">• 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. <i>Teaching Assistant</i> Physics Department, Faculty of Exact and Natural Sciences, University of Buenos Aires.	9/2018 - Present 3/2012 - 9/2018
EDUCATION	<i>PhD in Computational Physics</i> University of Buenos Aires, CNEA-CONICET Expected: June 2019 Title: “Simulations of liquid flow confined by semiflexible polymer brushes” PhD Supervisor: Dr. Claudio Pastorino <i>Diploma in Physics (M.S. equivalent)</i> Average: 9.26 / 10 Faculty of Exact and Natural Sciences, University of Buenos Aires	4/2014 - Present 2006 - 2014
COMPUTER SKILLS	<i>Languages & Software:</i> Python, bash, Fortran, Matlab, C++, SQL, awk, git, AWS	
LANGUAGES	Spanish, English, German, Portuguese	
INTERESTS	<ul style="list-style-type: none">• 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	
SCIENTIFIC PUBLICATIONS	K. Speyer, C. Pastorino, “Pressure responsive gating in nanochannels coated by semiflexible polymer brushes”, <i>Soft Matter</i> , 2019 K. Speyer, C. Pastorino, “Droplet transport in a nanochannel coated by hydrophobic semiflexible polymer brushes: the effect of chain stiffness”, <i>Langmuir</i> , 2017 K. Speyer, C. Pastorino, “Brushes of semiflexible polymers in equilibrium and under flow in a super-hydrophobic regime”, <i>Soft Matter</i> , 2015	

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