



Andres Becker

WORK EXPERIENCE

CONTACT

📍 München / Deutschland

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in linkedin.com/in/
andres-becker

🐙 andresbecker.github.io

SKILLS

Programming:

C/C++, Python, MATLAB,
AWK, Bash, VBA.

Machine Learning:

TensorFlow / Keras,
PyTorch, GYM.

Statistics: R, IBM SPSS.

Database Managers:

PostgreSQL, MySQL,
SQL Server.

Miscellaneous:

Linux, Networking, \LaTeX
Windows Server,
MS Office.

LANGUAGES


Spanish: Native


English: B2. IELTS, 2017


German: A2.1


- **ICB - Helmholtz Zentrum München** / Master Thesis Student 11.2020 - 04.2021
Germany / Full time
Project: Predicting Transcription Rate from Multiplexed Protein
Maps using Deep Learning.
Tools: Python, TensorFlow/Keras, Pandas, Seaborn, Scikit-learn,
Git, Slurm, Linux/Bash, GPU.
- **MaibornWolff GmbH** / Project Student 04.2020 - 07.2020
Germany / 20 hours week
TUM - Data Innovation Lab. Project: Multi-Agent Reinforcement
Learning for Logistics.
Tools: Python, PyTorch, Gym, Git, Bash scripting.
- **AIRBUS Defence and Space** / Intern 08.2019 - 02.2020
Germany / Full time
Trajectory optimization for multiple autonomous Unmanned
Aerial Vehicles, statistical analysis and Cloud computing
infrastructure implementation.
Tools: MATLAB, RedHat OpenStack, Docker, Python, Pandas,
Seaborn, R, Git, LaTeX, Jira & Confluence, Bash scripting.
- **Bank of Mexico (Banxico)** / Cyber Security Analyst 12.2016 - 08.2018
Mexico / Full time
Administration, hardening, monitoring and pentest of Linux
infrastructure and DBMS at the electronic payments systems
department.
Tools: RHEL 6 & 7, LDAP/PAM, RSyslog/Audit, PostgreSQL, Nessus,
WAZUH/OSSEC, Splunk, Checkmarx, Python, Bash script, Firewall.
- **Clabeck** / IT Analyst 06.2009 - 12.2016
Mexico / Full time
Administration of IT resources: network, VoIP, databases, Windows
and Linux servers, workstations, etc.
Tools: Windows Server 2003 & 2008, Ubuntu Server, Cisco iOS,
VPN/IPsec, SQUID, MySQL, SQL Server 2008, Python.
- **DCyC - IPN** / Intern 05.2014 - 12.2014
Mexico / 20 hours week
Data mining and statistical analysis of Cyber Security incidents.
Tools: IBM SPSS, CentOS 5, Python, AWK, Bash scripting, LaTeX.


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EDUCATION



Technische Universität München / Germany

10.2018 - 04.2021

MSc. Mathematics
Dissertation: Predicting Transcription Rate from Multiplexed Protein Maps using Deep Learning.



Instituto Politécnico Nacional / Mexico

08.2008 - 06.2014

BSc. Physics and Mathematics
Dissertation: The NSGA-II algorithm and its hybridization with a gradient based method.

COURSES & WORKSHOPS



Intro to TensorFlow for Deep Learning / Udacity

2021

25 hours.



BigData in Payments / ITESM

2017

60 hours.



Red Hat System Administration I / RedHat Academy

2017

45 hours.



VBA in Excel Workshop / Instituto Politécnico Nacional

2015

25 hours.



SQL Server Workshop / Instituto Politécnico Nacional

2015

25 hours.



Connecting LAN & WAN Networks / CIC - Instituto Politécnico Nacional

2011

200 hours.