



Andres Becker

WORK EXPERIENCE

CONTACT

📍 München / Deutschland

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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, GPU, Scikit-learn, Git, Slurm, Linux/Bash.
- **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, TensorFlow, 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, 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, PostgreSQL, Nessus, OSSEC, Splunk, Python,
Bash scripting, 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.