



Andres Becker

DevOps, Machine Learning & BigData

WORK EXPERIENCE

CONTACT

München / Deutschland

+49 15 206 019 165

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linkedin.com/in/
andres-becker

andresbecker.github.io

SKILLS

Programming:

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

Machine Learning:

TensorFlow/Keras,
PyTorch, GYM, Pandas
Scikit-learn, Seaborn.

Statistics:

R, IBM SPSS.

Database Managers:

PostgreSQL, MySQL,
SQL Server.

Miscellaneous:

Linux, Networking, GCP
Windows Server, MS Office,
SCRUM, Atlassian, \LaTeX .

LANGUAGES


Spanish: Native

English: C1


German: A2.1


- PAYBACK** / Big Data System Engineer 08.2021 - current
 Expansion, operation, automation and optimization of the BigData infrastructure. Migration of BigData infrastructure to the cloud.
Tools: MapR/Hadoop, Hive, Spark, OpenShift/Kubernetes, HELM, Docker/Podman, Ansible, Puppet, Python, GCP, Bash, RHEL, Bitbucket, Grafana, Rundeck, SCRUM, OpenAPI. Germany
- ICB - Helmholtz Zentrum München** / Master Thesis Student 11.2020 - 04.2021
 Project: Predicting Transcription Rate from Multiplexed Protein Maps using Deep Learning.
Tools: Python, TensorFlow/Keras, TFDS, GitHub, Pandas, Seaborn, Scikit-learn, Slurm, Ubuntu/Centos, Bash, CUDA/GPU, LaTeX. Germany
- MaibornWolff GmbH** / Project Student 04.2020 - 07.2020
 TUM - Data Innovation Lab. Project: Multi-Agent Reinforcement Learning for Logistics.
Tools: Python, PyTorch, Gym, GitLab, Bash. Germany
- AIRBUS Defence and Space** / Research Intern 08.2019 - 02.2020
 Trajectory optimization for multiple autonomous Unmanned Aerial Vehicles, statistical analysis and Cloud computing.
Tools: MATLAB, fmincon, RedHat OpenStack, Docker, Bitbucket, R, Python, Pandas, Seaborn, LaTeX, Jira & Confluence, Bash. Germany
- Bank of Mexico (Banxico)** / Cyber Security Analyst 12.2016 - 08.2018
 Operation, hardening, monitoring and pentest of the Electronic Payment Systems Linux infrastructure and DBMS.
Tools: RHEL 6 & 7, LDAP/PAM, RSyslog/Audit, PostgreSQL, Nessus, WAZUH/OSSEC, Splunk, Checkmarx, Python, Bash, Firewall. Mexico
- DCyC - IPN** / Intern 05.2014 - 12.2014
 Data mining and statistical analysis of Cyber Security incidents.
Tools: IBM SPSS, CentOS 5, Python, AWK, Bash, LaTeX. Mexico
- Clabeck** / Systems Administrator 06.2009 - 12.2016
 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. Mexico


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EDUCATION

-  **Technische Universität München** 10.2018 - 04.2021
MSc. Mathematics Germany
Dissertation: Predicting Transcription Rate from Multiplexed Protein Maps using Deep Learning.
-  **Instituto Politécnico Nacional** 08.2008 - 06.2014
BSc. Physics and Mathematics Mexico
Dissertation: The NSGA-II algorithm and its hybridization with a gradient based method.

COURSES & WORKSHOPS

-  **Intro to TensorFlow for Deep Learning** / Udacity 2021
25 hrs
-  **BigData in Payments** / ITESM 2017
60 hrs
-  **Red Hat System Administration I** / RedHat Academy 2017
45 hrs
-  **VBA in Excel Workshop** / Instituto Politécnico Nacional 2015
25 hrs
-  **SQL Server Workshop** / Instituto Politécnico Nacional 2015
25 hrs
-  **Connecting LAN & WAN Networks** / CIC - IPN 2011
200 hrs