



20. May 1997
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Interests

I am interested in algorithms, especially those that learn from data. I find the whole process appealing, from deciding on how to store the data to designing the visualization of the results.

Languages

- Spanish: 5/5
- English: 5/5
- German: 4/5

Skills

- Python: 5/5
- Machine learning: 5/5
- Databases: 4/5
- Java: 3/5
- Web dev: 3/5

Other interests

- Reading
- Art
- Chess
- Climbing
- Running

Experience

- Research assistant | Fraunhofer FOKUS** **Berlin** June 2020 - now
 - Interdisciplinary research with sociologists on digitalization and science.
 - Developed a data harvester with Vert.x (asynchronous programming).
 - Research on knowledge graph embeddings and subject indexing.
 - Retrieved and visualized tweets with D3.js to analyse the spread of misinformation for a paper which has been submitted for review.
- Business developer | 365FarmNet** **Berlin** May 2019 - May 2020
 - Visualized the journey of the users in the company's software.
 - Developed a software tool that predicted the impact of a new feature based on the marketing personas.
- Intern | deZem** **Berlin** Sep. 2018 - Dec. 2018
 - Developed software to automate processes of the marketing team.
 - Translated software manuals and assisted users with the software.
- Intern | The Cloud Group** **Madrid** Sep. 2017 - Oct. 2017
 - Designed databases with SQL for various software tools.
 - Full-stack development of software with PHP, JQuery, HTML5 and CSS3.
- Intern | Siemens** **Berlin** Sep. 2016 - Oct. 2016
 - Worked in a factory of the energy management division.
- Basketball coach | Colegio San Patricio** **Madrid** Sep. 2013 - May 2015
 - Assistant coach during my last two high school years.

Education

- MS Computer Science | TU Berlin** **Berlin** Oct. 2019 - Mar. 2022
 - Focus on cognitive systems.
 - Project: developed a small relational database with Java.
 - Project: built an LSTM network for protein structure prediction in PyTorch.
 - Thesis: Subject indexing for institutional repositories.
- BS Computational Engineering Science | TU Berlin** **Berlin** Oct. 2015 - Oct. 2019
 - Thesis: Evaluating FaaS as a data import agent.
- High School | Colegio San Patricio** **Madrid** Sep. 2009 - May 2015
- Year abroad | Mercersburg Academy** **Pennsylvania, USA** Aug. 2012 - May 2013

Other projects

- Cooking blog | Salud y Pimienta** **Berlin** Dec. 2019 - now
 - A website for my mother's recipes developed with Flask (Python).
- Employee scheduling software** Jan. 2017 - May 2017
 - A scheduling software developed with PHP and AJAX for a small company.