

Philipp Kant



🌐 <https://www.kant.dev>

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📍 Cologne, Germany 🏠 1995

Work Experience

- 04/2020 – 08/2020 **Working Student**, *Deutsche Stadtmarketing GmbH*, Krefeld.
- Migration of product databases to a new Product information management (PIM) system
 - WordPress Web Development and linkage of an inventory management software to WooCommerce
- 03/2017 – 06/2017 **Computer Graphics Intern**, *iPattern - Institute for Pattern Recognition*, Krefeld.
- Software development as part of the "Krefeld 3D City Model"(C++)
 - Texture generation using point clouds (Point Cloud Library, OpenCV)
- 08/2013 – 03/2014 **Software Developer**, *CITYGUIDE AG*, Krefeld.
- iOS App Development with Objective-C
 - Independent and team-oriented implementation of projects
- 05/2013 – 07/2013 **Software Development Intern**, *CITYGUIDE AG*, Krefeld.
- Support and maintenance of the software products created in the company

Education

- Since 10/2018 **Master of Science, Computer Science**, *RWTH Aachen University*, Aachen.
Focus: Data Science, Machine Learning
- 03/2018 – 09/2018 **Master of Science, Computational Science**, *University of Potsdam*, Potsdam.
- 09/2013 – 01/2018 **Bachelor of Science, Computer Science**, *Hochschule Niederrhein*, Krefeld.
Bachelor Thesis: "Statistical Analysis of Risk Factors for Wars"
- 08/2013 – 03/2014 **Training as IT specialist**, *CITYGUIDE AG*, Krefeld.
Discipline: Application Development
In connection with a dual course of study at Hochschule Niederrhein
- 09/2005 – 07/2013 **A Levels**, *Maria-Sibylla-Merian-Gymnasium*, Krefeld.
Major subjects: mathematics and physics

Skills

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|------------------|---|
| Languages | German (Native), English (Fluent, C1), Spanish (Basic knowledge, A1) |
| Prog. languages | Python, Javascript, SQL, C/C++ |
| Web Development | Node.js, Express, React, HTML, CSS, REST, Figma |
| Data Science | Pandas, Matplotlib, NumPy, Jupyter, RapidMiner |
| Machine Learning | PyTorch, Spark, Scikit-learn, NLTK |
| Other | PostgreSQL, MongoDB, GNU/Linux, Git, Bash, Vim, \LaTeX , Gurobi, OpenCV |

Publications

- Steffen Goebels, Regina Pohle-Fröhlich and Philipp Kant: **A Linear Program for Matching Photogrammetric Point Clouds with CityGML Building Models**. Proceedings Operations Research 2017, Springer, Berlin, 2018, S.129-134