

# Philipp Kant



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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