CURRICULUM VITAE

Kushal Kumar

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74074 Heilbronn

31.12.1990
Nationality: India
Work permit: Germany
Niederlassungserlaubnis

Languages
English   C1
German   B1 (doing B2)

Skills
Python   ● ● ● ● ○
Java   ● ● ○ ○ ○
C++   ● ● ○ ○ ○

Web presence
kumarkushal.com
linkedin.com/in/kumku/
github - kushal90
stackoverflow – 5772008

WORK EXPERIENCE

Freelance Developer (Part-time)
Artistixe IT Solutions 03/2021 – Present
- Helping develop backend using Python and Java.

Software developer for Computer Vision and Machine Learning
Spotsize GmbH 01/2019 – 02/2021
- Developed various algorithms for Point Cloud processing in C++.
- Developed tests and visualizations for testing in Python.

Researcher
University of Heidelberg 10/2016 – 01/2019
- Helped develop ultrasound simulation software in C++.
- Wrote unit tests and integration tests for the use cases in Python.

Research assistant (Master thesis)
University of Oulu, Finland 11/2015 – 06/2016
- Research and development of a novel application for an android device for image rectification, using camera pose estimation in Java, Android.

Internship
University of Oulu, Finland 05/2015 – 07/2015
- Implementation of the library-free code for the BRISK keypoint detector in C.

EDUCATION

Master of Science in Computer Engineering
University of Oulu, Finland
- Major: Computer Vision und Signal processing
- Thesis: Pose estimation using two line correspondences and gravity vector for image rectification.
- Grade: 1.9 (German grade, converted from Finnish)

Bachelor of Technology
Jaypee University of Engineering and Technology, India
- Major: Electronics and Communication
- Thesis: Detection and classification of faulty IC's using Computer Vision and Machine Learning.
- Grade: 2.6 (German grade, converted from Indian)

OTHER SKILLS

Topics: 3D Computer Vision, JavaScript, HTML, CSS, Django, Deep Learning
Tools: MATLAB, Point Cloud Library, OpenCV

10.08.2021 Heilbronn