Sounak Bhattacharya

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https://github.com/bsounak

Work Experience

OptoFidelity Oy. (Imaging Engineer), October 2017 -

– Worked on machine vision problems related to testing Head Mounted Displays. This includes writing camera drivers, camera calibration, camera alignment, designing and implementing algorithms for different analyses and implementing standard measurement methods e.g, IEC 63145-20-10

– Worked on various projects on-site at client's facility at Silicon Valley, California.

Tampere University of Technology (Research Assistant), September 2014 - October 2017

– Worked as a research assistant in the department of signal processing on projects which involved collaborations between Tampere University of Technology and Nokia Technologies. The work mainly involved working with 3D point clouds generated from lidar data and feature extraction from these large scale 3D datasets.

Education

Tampere University of Technology (Master's degree), 2013 -

– Major in Signal Processing (Thesis pending). Minor in Information Technology.
– GPA: 4.2/5

West Bengal University of Technology (Bachelor's degree), 2008-2012

– Major in Computer Science
– Cumulative GPA: 7.39/10

Hacking Skills

– Python, MATLAB, C++, Objective C
– OpenCV, Numpy, Pandas, scikit-learn, Halcon
– Vim

Publications

– Bhattacharya S., Fan L., Babahajiani P., Gabbouj M. (2016) Global Scale Integral Volumes. In: Computer Vision – ECCV 2016 Workshops. ECCV 2016.

Interests

Music, Cinema, Badminton, Programming