

Hao FANG

Curriculum Vitae

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30/01/1992



Education

- 2016–Present **PhD**, *Computer Science*, TITANE, Inria Sophia-Antipolis, advised by Florent LAFARGE.
Research interests: 3D Computer Vision, Geometric Processing, Machine Learning
e.g. shape detection, surface reconstruction, 3d scene understanding by deep learning
- 2014–2015 **Engineer student exchange program**, *Ecole Centrale Paris*.
Specialized in Mathematics applied in Computer Vision and Machine Learning
- 2013–2016 **M.S. and Engineer degree**, *Beihang University*, Ecole Centrale Pékin.
1st ranking out of 50 students
- 2009–2013 **B.S.**, *Applied Mathematics*, Beihang University.
Excellent Academic Performance Scholarship of Beihang University

Publications

- 2018.6 **Fang H.**, Lafarge F., Desbrun M. **"Planar Shape Detection at Structural Scales"**, *IEEE conference on Computer Vision and Pattern Recognition (CVPR), Salt Lake City, US, 2018*

Experience

- 2015.5–10 **Research intern**, Team TITANE, Inria Sophia-Antipolis, advised by Florent LAFARGE.
"Surface Reconstruction with Structure Control."
 - Designing a hierarchical merging criteria for planar shape detection
 - Applying 1-d clustering algorithm to explore scale space
 - Writing a master thesis
- 2014–2015 **Student research project**, IBM Paris and Ecole Centrale Paris, advised by Matthew Blaschko.
"Next buy action - Prediction model for credit consumption"
 - Implementing a time-dependent model in Collaborative Filtering based Recommender System

Technical skills

- Programming Languages Proficient in C++, Python, Matlab, \LaTeX
Also ability with JAVA, R
- OpenSource Packages Deep Learning: Tensorflow, PyTorch, Keras
Computer Vision and Graphics: OpenCV, OpenGL, CGAL, Qt

Academic services

- Reviewer ISPRS Journal of Photogrammetry and Remote Sensing
The Visual Computer

Languages

- Chinese **Mother tongue**
English **Proficient**
French **Fluent**