

# Student's Experience:

Manish Mandad

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INRIA Sophia Antipolis

# In short ...

## Background

- B.Tech. in Computer Science & Engineering; 2005-2009, Indian Institute of Technology Delhi, India.
- Master in Computational Biology and Biomedicine; 2011-2012, Université de Nice Sophia Antipolis, France.

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- B.Tech. in Computer Science & Engineering; 2005-2009, Indian Institute of Technology Delhi, India.
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## Experience

- Summer Internship, Abo Akademi University, Finland, 2007.
- Summer Internship, Texas Instruments, Bangalore, India 2008.
- Software engineer, Accellion Pvt. Ltd, Singapore, 2009-11.
- Masters thesis at Geometrica, INRIA, 2012.

## Robust Shape Approximation with Guarantees

- Given a closed surface (point set, or a surface polygon mesh, etc) and tolerance volume around this surface
- We wish to reconstruct surface polygon mesh with
  - minimum number of vertices
  - with-in tolerance volume
  - self-intersection free

Advisors: Pierre Alliez.

