Mridul Aanjaneya

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Education

- **Stanford University** [2008 - present]

  I am a 3rd year PhD student in the Department of Computer Science. I work with Prof. Ron Fedkiw.

- **Indian Institute of Technology Kharagpur, West Bengal, India** [2004 - 2008]

  Bachelor of Technology (Hons.) in Computer Science and Engineering.

Work Experience

- **Research Intern**, Nokia Research Center, Palo Alto, CA (06/10 - present)

  Advisor: Dr. Radek Grzeszczuk

  Back-end developer for the *Mixed Reality Content Processing Pipeline.*

- **Research Intern**, GEOMETRICA team, INRIA Sophia Antipolis, France (06/08 - 07/08)

  Advisor: Prof. Monique Teillaud

  Designed a method for computing the *delaunay triangulation* of an *orbifold* from a given point set.

- **Research Intern**, GEOMETRICA team, INRIA Sophia Antipolis, France (05/07 - 07/07)

  Advisor: Prof. Monique Teillaud

  Designed an algorithm for computing a *triangulation* of the *projective plane* from a given point set.

Publications

- K. Heath, N. Gelfand, M. Ovsjanikov, M. Aanjaneya and L. Guibas, ***Image Webs: Computing and Exploiting Connectivity in Image Collections***, presented in CVPR 2010, held in San Francisco, CA, June 15-17, 2010.

- Mridul Aanjaneya, ***Tromino tilings of domino-deficient rectangles***, Discrete Mathematics, 309(4), pages 937-944, (2009).

- M. Aanjaneya, A. Bishnu and S. P. Pal, ***Directly Visible Pairs and Illumination by Reflections in Orthogonal Polygons***, presented in EWCG 2008, held in Nancy, France, Mar. 18-20, 2008.

- Mridul Aanjaneya and Monique Teillaud, ***Triangulating the Real Projective Plane***, presented in MACIS 2007, held in Paris, France, Dec. 5-7, 2007.

Awards and Honors

- Awarded the **Innovative Student Project Award** by the *Indian National Academy of Engineering* **(INAE)** at the Academy Annual Convention held at the National Institute of Oceanography (NIO), Dona Paula, Goa on Dec. 5, 2008 (awarded only to **five** undergraduate theses all over India).

- Awarded the **Best B. Tech. Thesis Award** in the Department of Computer Science and Engineering, IIT Kharagpur, for the academic session 2007 - '08.

- Awarded the **Outstanding Inventor Award** at the *International Exhibition for Young Inventors* **(IEYI 2007)**, organized by the Department of Science and Technology **(DST)**, Government of India, and the Confederation of Indian Industry **(CII)**.

- Awarded the **Best Project** in *Mathematics* for the project *'Tromino Tilings of Rectangles'* at the **IRIS National Fair 2006**, organized by the Department of Science and Technology **(DST)**, Government of India, Conferederation of Indian Industry **(CII)** and **Intel Technology** (India) Pvt. Ltd.

- **JBNSTS** scholar (*Jagadis Bose National Science Talent Search*) since 2004. Awarded the *UCO Bank Project Award* for the **Best Science Project** at the annual award ceremony of JBNSTS in 2006.

Programming Skills

- **Languages:** C/C++ (familiar with BOOST, BGL, ANN and GSL libraries), Python (familiar with Numpy, Scipy and NetworkX libraries), Qt, GraphViz, CGAL, OpenCV, LaTeX.

- **Operating Systems:** LINUX, UNIX, Solaris, Mac OS X, Windows.

Extracurricular Activities

- **Brown Belt (IIIrd Kyu)** in Karate certified by the **Traditional Karate Federation of India** (TKFI) under license from the **International Traditional Karate Federation** (ITKF).

- Member of the *Mathematics Olympiad team* of Rajendra Prasad Hall which won **Gold medal** in 2006, **Silver** in '07, **Gold** in '08, in the **Inter-Hall Mathematics Olympiad** of IIT Kharagpur.