Internships in Randomization in Computational Geometry and Topology

There are 2 openings for paid internships for Masters students starting in March 2021, for a period of 6 months. The positions are under the NCN SONATA grant “Probabilistic tools for high-dimensional geometric inference, topological data analysis and large-scale networks”, which aims to develop structural understanding and efficient algorithms for geometric and topological analysis of high-volume and high-dimensional data, using probabilistic ideas. The principal investigator is dr. Kunal Dutta https://www.mimuw.edu.pl/~kdutta/.

We are looking for students who

- Are pursuing Masters in Computer Science, Mathematics or related areas.
- Have a background in at least one of the following streams:
  - discrete mathematics, probabilistic combinatorics and algorithms, OR
  - discrete and computational geometry, OR
  - geometric probability, topology, and real analysis.
- Is interested in problems involving several areas, such as algorithms (especially randomized / geometric algorithms), probabilistic combinatorics, computational geometry and topology.
- Is proficient in English.

We offer

- Exciting and challenging research problems.
- Collaboration with researchers within and outside MIM UW.
- Travel funding for conferences and research-related visits.
- Salary: 1500 PLN per month.

Contact: K.dutta@mimuw.edu.pl.
To apply for the position, please send a CV and a brief description of your research interests.