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Graduate student in mathematics with data science and software engineering work experience.

I work in both pure and applied domains with a strong interest in combinatorial geometry, combinatorial optimization, and probabilistic graphical models. As an applied mathematician and software engineer, I am interested in scalable, combinatorial algorithms. I have experience working on distributed databases and several query languages. In parallel I do research in discrete geometry on a family of combinatorially interesting polytopes with applications to submodular optimization.