

# XINRUI JIA

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## EDUCATION AND RESEARCH POSITIONS

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### École Polytechnique Fédérale de Lausanne

*Sept. 2018 - Present*

PhD student in Theory of Computation laboratory

Advisor: Ola Svensson

### University of Waterloo

*Sept. 2014 - June 2018*

Bachelor of Mathematics in Combinatorics and Optimization, Pure Mathematics

With Distinction - Dean's Honours List

### École Polytechnique Fédérale de Lausanne

*Winter 2017*

Research Intern in Discrete Optimization laboratory

Host professor: Friedrich Eisenbrand

### University of Waterloo

*Spring 2016*

Undergraduate Research Assistantship

Host professor: David Jao

## RESEARCH INTERESTS

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Approximation and online algorithms, combinatorial optimization

## SCHOLARSHIPS

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W.T. Tutte Mathematics Scholarship (20,000 cad)

*2014 - 2018*

Highline Family Scholarship (8,000 cad)

*2014 - 2017*

NSERC Undergraduate Student Research Award (4,500 cad)

*Spring 2016*

University of Waterloo Entrance Scholarship (5,000 cad)

*2014*

## TEACHING

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### Teaching Assistant, EPFL

*Spring 2019 - Present*

- Theory of Computation CS-251, Spring 2019, Spring 2020
- Algorithms CS-250, Fall 2019

### Teaching Assistant, University of Waterloo

*Fall 2016 - Winter 2018*

Tutored first year mathematics classes in calculus, algebra, and linear algebra.

### Math Class Teacher, Grand River School

*Fall 2016 - Winter 2018*

Taught contest and problem solving math class to elementary students at non-profit organization offering extra-curricular classes.

## INDUSTRY EXPERIENCE

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### Application Developer, HAA Analytics, Toronto CA

*Summer 2015*

Backend developer at startup using Python and SQL to build platform for reinsurance analytics web application.

## PUBLICATIONS

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1. Xinrui Jia, Kshiteej Sheth, and Ola Svensson. Fair Colorful k-Center Clustering. In *Proceedings of the 21st International Conference on Integer Programming and Combinatorial Optimization (IPCO'20)*. To appear.