

# XINRUI JIA

firstname.lastname@epfl.ch  
xinruij.github.io

## EDUCATION AND RESEARCH POSITIONS

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<b>École Polytechnique Fédérale de Lausanne</b> PhD student in Theory of Computation laboratory Advisor: Ola Svensson	<i>09.2018 - Present</i>
<b>University of Waterloo</b> Bachelor of Mathematics in Combinatorics and Optimization, Pure Mathematics With Distinction - Dean's Honours List	<i>09.2014 - 06.2018</i>
<b>École Polytechnique Fédérale de Lausanne</b> Research Intern in Discrete Optimization laboratory Host professor: Friedrich Eisenbrand	<i>01.2017 - 04.2017</i>
<b>University of Waterloo</b> Undergraduate Research Assistantship Host professor: David Jao	<i>05.2016 - 08.2016</i>

## RESEARCH INTERESTS

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Approximation, online, and randomized algorithms, combinatorial optimization.

## SCHOLARSHIPS

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W.T. Tutte Mathematics Scholarship (20,000 cad)	<i>2014 - 2018</i>
Highline Family Scholarship (8,000 cad)	<i>2014 - 2017</i>
NSERC Undergraduate Student Research Award (4,500 cad)	<i>2016</i>
University of Waterloo Entrance Scholarship (5,000 cad)	<i>2014</i>

## TEACHING

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<b>Teaching Assistant, EPFL</b> <ul style="list-style-type: none"><li>Theory of Computation CS-251, Spring 2019, Spring 2020</li><li>Algorithms CS-250, Fall 2019</li></ul>	<i>01.2019 - Present</i>
<b>Teaching Assistant, University of Waterloo</b> Tutored first year mathematics classes in calculus, algebra, and linear algebra.	<i>09.2016 - 04.2018</i>
<b>Math Class Teacher, Grand River School</b> Taught contest and problem solving math class to elementary students at non-profit organization offering extra-curricular classes.	<i>09.2016 - 04.2018</i>

## INDUSTRY EXPERIENCE

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<b>Application Developer, HAA Analytics, Toronto CA</b> Backend developer at startup, used Python and SQL to build platform for reinsurance analytics web application.	<i>05.2015 - 08.2015</i>
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## PUBLICATIONS

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- 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)*.