

# XINRUI JIA

firstname.lastname@epfl.ch

## EDUCATION AND RESEARCH POSITIONS

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