

Ivan Lau

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Education

MSc Mathematics, Simon Fraser University Sep 2019 - Present
– Advisor: Jonathan Jedwab
BSc Computer Science and Mathematics, University of Edinburgh Sep 2015 - June 2019

Research Interests

Applied Algebra, Discrete Mathematics, Theoretical Computer Science, Data Science

Publications

An Associative Left Brace is a Ring
– Journal of Algebra and Its Applications
– Available at arXiv: 1811.04894

Talks

From the YBE to the Left Braces June 2019
– Groups, Rings and Associated Structures 2019
Left Braces and the Yang-Baxter Equation Feb 2019
– IMA: Tomorrow's Mathematicians Today 2019

Teaching Experience

Simon Fraser University
– Computing with Linear Algebra (TA) Spring 2020
– Algebra Workshop (TA) Spring 2020
– Algebra Workshop (TA) Fall 2019
University of Edinburgh
– Algorithms, Data Structures, Learning (Tutor) Spring 2019
– Reasoning and Agents (Tutor) Spring 2019
– Algorithms and Data Structures (Tutor) Spring 2019
– Discrete Mathematics and Mathematical Reasoning (Tutor, Marker) Fall 2018
– Reasoning and Agents (Tutor) Spring 2018
– Cognitive Science (Lab Demonstrator) Spring 2018
– Discrete Mathematics and Mathematical Reasoning (Tutor, Marker) Fall 2017

Awards

Special Graduate Entrance Scholarship Sep 2019
William and Isabella Dick Fourth Year Project Prize Aug 2019
Google Hash Code 2018 (UK - 17th; Global - 234th) Mar 2018
NWERC 2017 (39th) Nov 2017
Malaysian Public Service Department Overseas Full-Ride Scholarship Sep 2015
Australian Mathematics Competition High Distinction Aug 2014
Malaysian Computing Challenge Perfect Score Sep 2013; Sep 2014

Activities

InfBase Tutor Sep 2017 - Apr 2019
MathPALs Academic Practices Officer Sep 2017 - May 2018