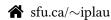# Ivan Lau

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Education

MSc Mathematics, Simon Fraser University   Sep 2019 - Present
– Advisor: Jonathan Jedwab
– GPA: 4.07/4.33
BSc Computer Science and Mathematics, University of Edinburgh   Sep 2015 - June 2019
– First-Class Honours
– Best Fourth Year Mathematics Project

Research Interests

Applied Algebra, Combinatorics, Compressed Sensing, Mathematical Foundations for Data Analysis

Publications

Ivan Lau. An Associative Left Brace is a Ring. In *Journal of Algebra and Its Applications*, October 2019.

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

Awards

Graduate Fellowship   May 2020
Travel and Minor Research Award   May 2020
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
Northwestern Europe Regional International Collegiate Programming Contest 2017 (39th)   Nov 2017
Malaysian Public Service Department Overseas Full-Ride Scholarship   Sep 2015
Malaysian Computing Challenge Perfect Score   Sep 2013, Sep 2014

Activities

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

Skills

Git, LaTeX, Python, R, MATLAB