

Marko Mitrovic

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Education

Yale University

Ph.D. Student in Computer Science

New Haven, CT, USA

August 2015 – Present

- Thesis: Machine Learning Applications of Submodularity
- Yale University Fellowship
- Yale Prize Teaching Fellowship
for outstanding performance and promise as a teacher.

Simon Fraser University

B.Sc. with Distinction in Math and Computer Science

Burnaby, BC, Canada

September 2011 – June 2015

- NSERC Undergraduate Student Research Award
- SFU IB Excellence Scholarship
- Undergraduate Open Scholarship
- SFU Alumni Scholarship
- Dean's Honour Roll

Research Experience

Yale University

Ph.D. Researcher

New Haven, CT, USA

August 2015 – Present

Supervisor: Prof. Amin Karbasi

- Submodular Streaming in All its Glory: Tight Approximation, Minimum Memory, and Low Adaptive Complexity
 - Presented at the 36th International Conference on Machine Learning: ICML 2019 in Long Beach, USA
- Data Summarization at Scale: A Two-Stage Submodular Approach
 - Presented at the 35th International Conference on Machine Learning: ICML 2018 in Stockholm, Sweden
- Submodularity on Hypergraphs: From Sets to Sequences
 - Presented at the 21st International Conference on Artificial Intelligence and Statistics: AISTATS 2018 in Playa Blanca, Spain
- Differentially Private Submodular Maximization: Data Summarization in Disguise
 - Presented at the 34th International Conference on Machine Learning: ICML 2017 in Sydney, Australia

Simon Fraser University

Research Assistant

Burnaby, BC, Canada

May 2013 – May 2015

- Social Network Analysis of Human Genome Project (with Prof. Martin Ester)
- Part Placement Problem in Computational Geometry (with Prof. Binay Bhattacharya)
- Hilbert Bases in Graphs and Matroids (with Prof. Luis Goddyn)
- Awarded Natural Sciences and Engineering Research Council of Canada (NSERC) Undergraduate Student Research Award (USRA) in 2013 and 2014.

Work Experience

Facebook
Ph.D. Intern

Menlo Park, CA, USA
June 2019 – August 2019

Research and development of deep learning models for Ads Ranking on Instagram.

Google
Ph.D. Intern

Mountain View, CA, USA
May 2018 – August 2018

Researched and implemented LSTMs and other deep learning models for anomaly detection in time series data as a part of the Counter Abuse Technology team.