

LEO FENG

lfeng99.github.io \diamond leo.feng@mila.quebec

EDUCATION

Université de Montréal (Mila)

PhD in Computer Science

Montreal, Canada

Sep 2020 - Current

- Research Supervisor: Prof. Yoshua Bengio

University of Oxford

First Class Honours, Bachelor of Arts in Computer Science

Oxford, UK

Oct 2017 - Jun 2020

- Research Supervisor: Prof. Shimon Whiteson
- Represented University of Oxford in ACM International Collegiate Programming Competition (ICPC)
- Thesis Topic: Extending meta-learning methods for supervised learning

RESEARCH/WORK EXPERIENCE

University of Oxford

Research Intern with Prof. Shimon Whiteson

Oxford, UK

Jul 2019 - Oct. 2019

- Topic: extending meta-gradient-based meta-learning methods via learned loss (meta-learning)
- This work was accepted to NeurIPS 2019 Workshop on Meta-Learning

Kyoto University

Research Intern with Prof. Atsuko Sehara-Fujisawa

Kyoto, Japan

Dec 2018 - Jan 2019

- Topic: clustering using weighted gene correlation network analysis (unsupervised learning)

Brave Software

Research Intern

London, UK

Jun 2018 - Sept 2018

Whizz Education

(Winter) Research Intern

London, UK

Dec 2017 - Dec 2017

Ivy Global

Software Engineering Intern

Software Engineering Intern

Toronto, Canada

Aug 2016 - Jun 2017

Dec 2017 - May 2018

SELECTED AWARDS/ACHIEVEMENTS

Recipient, UdeM Excellence Scholarship (Bourse d'Excellence) 2020, 2021

Recipient, Molecule Discovery Fellowship 2020

Recipient, UdeM FAS AI Scholarship 2020

Invitee, Deep Learning + Reinforcement Learning Summer School (Acc. Rate: 25 %), *Canada* 2020

Travel Grant, NeurIPS Workshop on Meta-Learning (Acceptance Rate: 27%) 2019

Bronze Medal, North Western European Regionals ACM ICPC, *UK, Netherlands* 2017, 2018

Bronze Medal, 29th International Olympiad of Informatics (IOI), *Iran* 2017

Gold Medal, Canadian Computing Olympiad, *Canada* 2017

Summer Conference Invitee, 36th International Mathematics Tournament of Towns, *Russia* 2015
(Topic: Enclosing walks and image segmentation algorithms)

Summer Conference Invitee, 35th International Mathematics Tournament of Towns, *Russia* 2014
(Declined)

International Olympiad, Asian Pacific Math Olympiad Qualifier 2015, 2017

National Olympiad, USA Math Olympiad Qualifier (2016), Canadian Math Olympiad Qualifier (2015-2017), USA Computing Olympiad (Highest Division: Platinum) (2015-2017), Canadian Computing Olympiad (2015: Silver Medal, 2016: Bronze Medal)

TEACHING EXPERIENCE

Teaching Assistant, IVADO/Mila Deep Learning School, Mila, Canada, 2021

Teaching Assistant, Practical Demonstrator, Design and Analysis of Algorithms, University of Oxford, UK, Hilary Term 2020

Teaching Assistant, Practical Demonstrator, Concurrent Programming, University of Oxford, UK, Hilary Term 2020

REVIEWER

2020 Wordplay: When Language meets Games Workshop (NeurIPS)

PUBLICATIONS

Peer-reviewed

[1] L. Zintgraf, L. Feng, C. Lu, M. Igl, K. Hartikainen, K. Hofmann, and S. Whiteson. Exploration in Approximate Hyper-State Space for Meta Reinforcement Learning. *International Conference on Machine Learning*, 2021.

[2] L. Zintgraf, L. Feng, M. Igl, K. Hartikainen, K. Hofmann, and S. Whiteson. Exploration in approximate hyper-state space. *ICLR Workshop on Beyond “Tabula Rasa” in Reinforcement Learning*, 2020.

[3] L. Feng, L. Zintgraf, B. Peng, and S. Whiteson. Viable: fast adaptation via backpropagating learned loss. *NeurIPS Workshop on Meta-Learning*, 2019.

LANGUAGES

English (Native/Fluent), Mandarin Chinese (Experienced), French (Experienced), Japanese (Novice)