LEO FENG

(+1) 408-663-7979 ⋄ leo.feng@mila.quebec

EDUCATION

Université de Montréal (Mila)   Montreal, Canada
PhD in Computer Science   *Sep 2020 - Current*

· Research Supervisor: Prof. Yoshua Bengio
· Member of the LambdaZero: Exascale Molecule Discovery team

University of Oxford   Oxford, UK
First Class Honours, Bachelor of Arts in Computer Science   *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   Oxford, UK
Research Intern with Prof. Shimon Whiteson   *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   Kyoto, Japan
Research Intern with Prof. Atsuko Sehara-Fujisawa   *Dec 2018 - Jan 2019*

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

Brave Software   London, UK
Research Intern   *Jun 2018 - Sept 2018*

Whizz Education   London, UK
(Winter) Research Intern   *Dec 2017 - Dec 2017*

Ivy Global   Toronto, Canada
Software Engineering Intern   *Aug 2016 - Jun 2017*
Software Engineering Intern   *Dec 2017 - May 2018*

SELECTED AWARDS/ACHIEVEMENTS

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

Recipient, LambdaZero 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 Qualifier, Asian Pacific Math Olympiad   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

Preprint

[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. *Under Submission to ICML*, 2021.

Peer-reviewed

[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)