

XIAOTIAN LIU

liu.x@queensu.ca | Master's in Computer Science at Queen's University

EDUCATION

- 2020 - Curr **MSc. Computing (Thesis), Kingston ON, Queen's University**
- Specialize in AI under Dr. Christian Muise
 - Expecting Dec 2021 graduation 4.3/4.3 GPA
- 2018 - 2020 **B. Computing (Honours), Kingston ON, Queen's University**
- Computing & Mathematics (COMA) degree
- 2008 - 2013 **B. Commerce (Honours), Kingston ON, Queen's University**
- Specialized in Finance with Minor in Mathematics

PUBLICATIONS

- May 2021
(Workshop) **"A Neural-Symbolic Approach for Object Navigation"** by
Xiaotian Liu and Christian Muise, CVPR 2021 Workshop on
Embodied AI
Working towards a full conference submission
- Aug 2021
(Workshop) **"Do you see what I see? An Egocentric View of our
Pansophical Planning Problems"** by Xiaotian Liu, Alison
Parades and Christian Muise, ICAPS 2021 Intex Workshop
Working towards a full conference submission
- Aug 2021
(Conference) **"Exploring Multi-View Perspectives on Deep Reinforcement
Learning Agents for Embodied Object Navigation"** by
Xiaotian Liu, Victoria Armstrong, and Christian Muise,
CASCON 2021
- In
Submission **"HybridCom: A Clone-Aware Hybrid Neural Translation and
Information Retrieval Framework for Source Code
Summarization"** by Xiaotian Liu, Yuan Tian, Haoxiang
Zhang, and Ahmed E. Hassan

EXPERIENCE

- Sep 2021 - **Research Intern, *Element AI/ServiceNow, Montreal QC***
Curr
 - Working on neural-symbolic AI applications
- Sep 2020 - **Research Assistant, *Mu Lab, Queen's School of Computing, Kingston ON***
Curr
 - Worked on disentanglement latent learning via video
 - Working on neural symbolic embodied agent design with egocentric planning
- 2019 - 2020 **Research Assistant, *RISE Lab, Queen's School of Computing, Kingston ON***
 - Worked as the primary contributor for a project on applying neural machine translation to automated source code comment generation
- 2018 - 2020 **Teaching Assistant, *Queen's University, Kingston ON***
 - CISC 365 Algorithms
 - COGS 100 Intro to Cognitive Science
- 2014 - 2018 **Cofounder, *Tapplock Inc, Toronto, ON***
 - Cofounded smart hardware startup Tapplock with a leading role in software design and supply chain management
 - Secured funding to support a ground of 10 employees

RELEVANT SKILLS

AI and Datas Science:

- *Pytorch, TensorFlow, Scikit Learn, NumPy, Pandas, Prolog, NLTK, CoreNLP, OpenCV, PDDL, Tarski*

Programming Language:

- *Python, Java, C, Linux Shell Scripting*

Others:

- *Git, LaTeX, Docker*