Xiaotian Liu

(613) - 876 - 7586| liu.x@queensu.ca | 138 Albert Street, Kingston ON, Canada | 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 - Curr **Research Intern,** ***Element AI/ServiceNow, Montreal QC***

- Working on neural-symbolic AI applications

Sep 2020 - Curr **Research Assistant,** ***Mu Lab, Queen's School of Computing, Kingston ON***

- 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, Q*ueen'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*