Wang Zhu

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EDUCATION	**University of Southern California**, Los Angeles, US *Doctor of Philosophy*, Computer Science	**Jan 2021 - present**
	Simon Fraser University, Vancouver, Canada *Bachelor of Applied Science*, Computer Science	**Sep 2017 - Aug 2020**
	Zhejiang University, Hangzhou, China *Bachelor of Engineering*, Computer Science	**Sep 2015 - Aug 2020**

RESEARCH INTEREST

Natural Language Processing
Vision-Language Grounding
Machine Learning

SELECTED PUBLICATIONS

Wang Zhu*, Hexiang Hu*, Jiacheng Chen, Zhiwei Deng, Vihan Jain, Eugene Ie, Fei Sha. **BabyWalk: Going Farther in Vision-and-Language Navigation by Taking Baby Steps.** *Annual Conference of the Association for Computational Linguisticss (ACL 2020)*

Guiliang Liu, Oliver Schulte, **Wang Zhu**, Qingcan Li. **Toward Interpretable Deep Reinforcement Learning with Linear Model U-Trees.** *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD 2018)*

Guiliang Liu, **Wang Zhu**, Oliver Schulte. **Interpreting Deep Sports Analytics: Valuing Actions and Players in the NHL.** *the fifth Machine Learning and Data Mining for Sports Analytics Workshop at ECML-PKDD (MLSA, ECML-PKDD 2018)*

RESEARCH EXPERIENCE	**Research Assistant**, Simon Fraser University Vision and Media Lab Advisor: Prof. Greg Mori	**Sep 2018 - Mar 2019**

• *Project: Active Object Search*
Developed a multi-object active object search method in a simulation environment
• *Project: Graph Based Text Question Answering*
Combined graph neural network with a RL agent to solve mutli-hop QA

	Research Assistant, Simon Fraser University Computing Logic Lab Advisor: Prof. Oliver Schulte	**Oct 2017 - May 2018**

• *Project: Deep Reinforcement Learning on Sports*
Adopted linear model tree for Ice-Hockey sports player ranking

SKILLS

Languages : Python, LaTeX, Java, C/C++, Swift, Matlab
Tools/Framework : Pytorch, Tensorflow, Git

AWARDS & SCHOLARSHIP	USC Graduate School Fellowship	Jan 2021
	SFU Presidents Honour Roll	Oct 2018
	SFU Alumni Scholarship	Oct 2018
	SFU Open Scholarship	Oct 2018
	Undergraduate Student Research Awards	May 2018
	SFU Entrance Scholarship	Sep 2017
	The Mathematical Contest in Modeling, Meritorious Prize	Feb 2017