Jee Won (Kyra) Park

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PROFESSIONAL EXPERIENCE

Simon Fraser University, PhD Student, Computing Science   *Vancouver. Sep 2021 - Current*

• Researches on integrating optimal control with Machine Learning to improve guarantees on collision avoidance for self-driving cars.

• Independently designs, writes, and tests clean code for research experiments in Python, Carla, and Deepmind Control Suite.

• Weekly consults faculty and more senior colleagues for research methods and software engineering best practices.

• Regularly pushes code to GitHub for version control.

Odin Partners, *Analyst*   *Seoul, Korea. Sep 2020 - Feb 2021*

• Contributed to the decision to invest in a company that increased 24% in value.

• Prevented purchasing stocks for a company whose valuation steadily decreased by analyzing trends to predict its profitability.

Brown University Computer Science, *Researcher*   *RI, USA. June 2018 – Jan 2020*

• Contributed significantly to the main algorithm in Python by identifying a major bug and writing unit tests which resulted in a publication at a top-tier Machine Learning conference (ICML).

• Identified an opportunity in an unpublished paper at the time that served as the theoretical basis for a publication at a top-tier Machine Learning conference (ICLR).

PUBLICATIONS

Yuu Jinnai, **Jee Won Park**, David Abel, George Konidaris: *Discovering Options for Exploration by Minimizing Cover Time.* Proceedings of the International Conference on Machine Learning, 2019.

Yuu Jinnai, **Jee Won Park**, Marlos Machado, George Konidaris: *Exploration in Reinforcement Learning with Deep Covering Options.* Proceedings of the International Conference on Learning Representations (ICLR) 2020.

EDUCATION

Simon Fraser Univ. Computer Science, *PhD Student*   *Vancouver, BC. Sep 2021 - Current*

Brown University, Applied Mathematics, B.A.   *RI, USA. Class of 2019*

SKILLS

<u>Computer Science:</u>

Proficient: Python, C++, Object Oriented Programming, GitHub, Linux, Modeling Dynamical Systems, Deepmind Control Suite, Carla.

Intermediate: Java, Numpy, PyTorch, Docker, ROS.

<u>Math:</u> Probability, Probability Theory, Stochastic Processes, Statistics.

AWARDS

Special Entrance Award for Computer Science PhD Program   *Vancouver, BC. Oct 2021*

• Nominated by the Graduate Chair in Computing Science at Simon Fraser University and was awarded 10,000 CAD.