Jee Won (Kyra) Park

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PROFESSIONAL EXPERIENCE

Odin Partners, *Research Analyst* (Part-Time) **Sep 2020 - Current**

• Contributed to the decision to invest in a company that has increased 24% in value.
• Prevented purchasing stocks for a company whose valuation has steadily decreased by analyzing trends to predict its profitability.

Brown University CS Department, *Researcher* **June 2018 – Jan 2020**

Researched with Professor George Konidaris' team on Reinforcement Learning (RL) algorithms, resulting in two publications from top-tier international Machine Learning conferences.
• Contributed to debugging the main function in the published algorithm by writing unit tests in Numpy, NetworkX, and Python3 and communicating with professors.
• Identified an opportunity in a RL paper based on Probability Theory which served as one of the main results for our publication.

EDUCATION

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

Relevant Coursework: Data-Centric Intro to Programming, Machine Learning, Linear Algebra, Operations Research: Probabilistic Models, Statistical Inference, Optimization.

SKILLS

Computer Science:

• **CS Languages:** Python, Java (proficient). C/C++, SQL, MATLAB, R, RStudio, HTML (intermediate).
• **Tools**: Object Oriented Programming, Data Structures, Algorithms, Git, GitHub, Linux (proficient). Data Analysis, PyTorch, Scikit-Learn, Numpy, ROS, Simulation (intermediate). Tensorflow, Docker (beginner).

Mathematics:

Linear Algebra, Probability, Probability Theory, Stochastic Processes (strong). Statistics, Stochastic Calculus (intermediate).

SOFTWARE PROJECTS

Data Analysis **Dec 2020 - Current**

• Analyzing a messy dataset to answer business questions with Numpy and Pandas.

Robotics **Sep 2020 - Current**

• Programming a control algorithm in a Python simulation environment in a team of three researchers.
• Implemented LQR control on a Python3 simulation with a Brown robotics PhD student.
• Solved robotics problems on linearization and dynamics from a MIT course, Underactuated Robotics.

Scikit-Learn **Nov 2020 - Current**

• Contributing to debugging by reviewing pull requests in Scikit-Learn, a Python open source Machine Learning library.

Data Structures and Algorithms **May - September 2020**

• Wrote Python programs for a Data Structures and Algorithms course on Udacity using recursion, priority queues, binary search, trees, dynamic programming and more, making incremental git commits.