Sang Jun Yum

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EDUCATION

New York University   **New York, NY**
B.A. in Computer Science with Minor in Mathematics   September 2011 – December 2017
GPA: 3.42

WORK EXPERIENCE

Cello Capital   **New York, NY**
Application Developer   March 2018 – Present
Implemented and debugged Mortgage Backed Security Fixed Income Analytic Software.
- Automated overnight Bond Pricing and Prepayment Risk computations.
- Automated Data Management process of downloading and computing monthly mortgages rates, portfolio's profit and losses, and market data comparisons.
- Enhanced performance of analytic software of the company's operation department by introducing python's numerical computing/data visualization toolkits (Numpy, Pandas).

Oak Hill Advisors   **New York, NY**
Summer Intern, Application Development Department   June 2017 – August 2017
Implemented and debugged programs that automate production of the company's fund management reports.
- Development was done in .Net framework.
- Modified and optimized the performance of the company's financial report writing programs. The modified versions were released in the production level. After the modifications, the runtime of the programs was significantly decreased.
- Successfully finished a research project of discovering the best open source substitute for Interop.Excel, and received purchase approval of the open source by the Managing Director of the Application Development Department.

Slidejoy   **Seoul, Korea**
Software Engineering Intern   July 2016 – September 2016
Assisted the senior engineer in implementing a click-expectation of articles using a deep learning model.
- Assisted in implementing a deep neural network that expects the click of articles by random users using Tensorflow.

Deloitte Consulting   **Seoul, Korea**
Summer Intern   July 2012 – August 2012
Participated in risk management consulting project of Hyundai Motors in a highly result-driven environment.

PROJECTS

3 Minute Deep Learning: Pytorch Flavor   **New York, NY**
                                                                                                             April 2018 – Present
Co-Authorship of Pytorch guidebook, '3 Minutes Deep Learning: Pytorch Flavor' in Hanbit Media Company (http://www.hanbit.co.kr). The publication is tentatively scheduled at October, 2018.
- Implemented fundamental and basic Neural Network models (DNN, RNN, GAN) for tutorial purposes.
- Project details and codes can be found in https://github.com/ysangj/3-min-pytorch.

Natural Language Processing: Encoder-RMN Sequence to Sequence Model   **New York, NY**
                                                                                              November 2017 – December 2017
Implemented a neural translation model using Encoder-Decoder (Cho et al., 2014), and Recurrent Memory Network (Tran et al., 2016). The model training was done using GPU resources from NYU's HPC clusters.
- Project details and codes can be found in https://github.com/ysangj/NLP_DeepLearning_final_project.

SKILLS & INTERESTS

Programming Languages: Python, Java, JavaScript, C, C++, C#, VB.NET
Other Software: Tensorflow, PyTorch, Numpy, Pandas, SKLearn, Aspose.Cells, UNIX/LINUX, SQL, Mongo DB, SVN, GIT, Redis
Language: English(fluent), Korean(native)