

# Sang Jun SJ Yum

46 East 7<sup>th</sup> Street, APT1, New York, NY 10003 • 1 (201) 870-3771 • [sjy269@nyu.edu](mailto:sjy269@nyu.edu) • <https://www.linkedin.com/in/sjyum>

## EDUCATION

### New York University

*B.A. in Computer Science with Minor in Mathematics*

GPA: 3.39

Expected Graduation: Dec 2017

New York, NY

September 2011 – Present

## WORK EXPERIENCE

### 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 runtimes of the programs were 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 machine learning based software.

- Used Tensorflow as the development kit.
- Assisted in implementing a neural network that expects the click of articles by random users.
- Articles were represented as bag of words and embedded to continuous vector space. With a few additional features to the input (User's ID, gender and age), text classification of classifying clicked articles and unclicked articles was performed.

### Republic of Korea Ministry of National Defense

Seoul, Korea

*Airman Staff Sergeant*

August 2012 – August 2014

Mandatory military service.

- Specialized in information collecting operation.

### Deloitte Consulting

Seoul, Korea

*Summer Intern*

July 2012 – August 2012

Participated in risk management consulting project of Hyundai Motors, which demanded strong analytical, organizational, and interpersonal skills in results-driven, customer-focused environment.

- Translated management consulting related documents and case study reports that contained information relevant to the ongoing project.

## PROJECTS

### Natural Language Processing: Encoder-RMN Model

New York, NY

November 2017 – Present

Implemented a machine translation model using the sequence to sequence model (Cho et al., 2014), and modified the original model by replacing the decoder with recurrent memory network (Tran et al., 2016).

- The model was trained using IWSLT2016 and Multi30k English to German parallel corpora.
- Project details and codes can be found in [https://github.com/ysangji/NLP\\_DeepLearning\\_final\\_project](https://github.com/ysangji/NLP_DeepLearning_final_project).

### Natural Language Processing: Movie Genre Popularity Analysis

New York, NY

November 2016 – December 2016

- Analyzed the popularities of different movie genres by comparing the language characteristics of specific genres against a data set that is comprised of movie-related questions.
- Project detail and codes can be found in [https://github.com/ysangji/Natural\\_Language\\_Processing](https://github.com/ysangji/Natural_Language_Processing).

## SKILLS & INTERESTS

**Programming Languages:** C, C#, Java, Python

**Other Software:** Tensorflow, PyTorch, Numpy, Scikit-Learn, Aspose.Cells, UNIX/LINUX

**Language:** English(fluent), Korean(native)