

# Sang Jun SJ Yum

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## EDUCATION

**New York University, College of Arts and Science**

*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 the 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 published in the Production level. After the modifications, the performance was significantly enhanced.
- 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 that were represented as Bag of Words were used as input dataset. The input dataset was later enriched by additional entries that represent the gender, user ID, and age of users.

**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: 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/ysangi/Natural\\_Language\\_Processing](https://github.com/ysangi/Natural_Language_Processing).

**NYPD Motor Vehicle Collision Analysis**

**New York, NY**

December 2015

Time complexity analysis of built – in Java data structures using a big data set provided by NYPD database.

- Each location with different Zip code in New York City was represented as a node, and Sorting operations based on different criteria were performed using different Data Structures and Algorithms.
- Codes can be found in <https://github.com/ysangi/NYPD-Project>.

## SKILLS & INTERESTS

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

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

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