

# Habibuddin Ahmadi

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## EDUCATION

**Stony Brook University, Stony Brook, NY**

*Bachelor of Science, Computer Science*

*September 2016- May 2020*

*GPA: 3.21*

**Selected Coursework:** Computer Vision, Artificial Intelligence, Robotics, Data Structures (Java), Principles of Database, Computer Systems (C), Computer Networks, Web Programming, Analysis of Algorithms.

## SKILLS

**Programming & Database:** Java, C/C++, Python, Common Lisp, SML, MIPS Assembly language, PHP, MySQL

**Web & Source Control:** HTML, JavaScript, CSS, Spring Boot, Spring MVC, Hibernate, AJAX, Bootstrap, Git, React.js

**AI & Deep Learning:** TensorFlow, Yolov3, PyTorch, OpenCV, SyntaxNet, POS Tagger

## EXPERIENCE

The State University of New York - Korea, CSE Department

September 2018 – April 2019

**Undergraduate Researcher**

Incheon, Korea

- Identified and developed a morpheme analysis module using SyntaxNet. Determined other input options and types of output generated by SyntaxNet and parts-of-speech included in the output.
- Comparative testing of a small sample of patent documents (SyntaxNet vs. Stanford POS Tagger).
- Developed a noun (phrase) extraction module using SyntaxNet.

The State University of New York - Korea, IT Center

February 2018 – June 2019

**IT Assistant**

Incheon, Korea

- Performed all tasks in HR & Operations ensuring the smooth functioning of all university offices/labs/classrooms.
- Managed computers (s/w & h/w) in lab facilities, faculty offices, and admin offices.
- Monitored (fix & report) computers, E-stations and its peripherals requiring technical attention.
- Periodical Inventory checks and performing other duties as assigned.

Olympic Channel, Olympic Broadcasting Service

January 2018 – February 2018

**ENG Assistant / Production Assistant**

Pyeongchang, Korea

- Determined engineering requirements by conducting inspections and analytical tests.
- Solved engineering problems by collecting and analyzing information.
- Verified engineering applications by conducting tests and inspections.
- Maintained project team accomplishment by communicating essential information.

The State University of New York (SUNY) Korea

September 2016 - January 2017

**Administrator Assistant/ Work Study**

Incheon, Korea

- Maintained the department facility and assisted students, faculties and other visitors with diagnostic and technical issues.
- Kept note of all the day to day activities and performed circulation desk procedures.
- Provided real-time scheduling support by booking appointments and preventing conflicts.
- Generate reports, transcribe minutes from meetings, create presentations, and conduct research.

## ACHIEVEMENTS AND ACTIVITIES

- SUNY Korea Global Co-prosperity Scholarship – merit-based full-tuition scholarship
- President of SUNY Korea's Botany Club [Fall 2017 – Fall 2018]
- Member of Incheon Business Information Techno Park (IBITP) 2018 Global Startup Campus Business Idea Camp - developed and prototyped future product for SWAN (a transparent display producer).

## PROJECTS

**License Plate Remover** – Project Manager, Spring 2019, SUNY Korea

- Convolutional neural network-based application to censor Korean license plates in video clips and real life.
- Collected, categorized, and tagged more than 6000 data points.
- Trained a convolutional neural network using the collected dataset and created a user interface.

**Metro Map Maker** – Lead Programmer, Fall 2017, SUNY Korea

- Web-application to allow users to create their desired metro map.
- Implemented a pathfinding algorithm and created a user interface using material design.

## LANGUAGE SKILLS

- Persian, English, Pashto, Urdu, Hindi, Arabic and Korean