PATRICK YOON

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Available: January 2021 - June 2021

EDUCATION

Northeastern University Khoury College of Computer Sciences   Boston, MA
Candidate for a Bachelor of Science in Computer Science, 2023   September 2019 - Present
GPA: **3.8/4.0**
Relevant Courses: Artificial Intelligence, Computer Systems, Object-Oriented Design,
                          Algorithms and Data, Foundations of Data Science, Mathematics of Data Models

SKILLS

Programming Languages: Python, Java, HTML/CSS/JavaScript, C, C++, MIPS Assembly
Libraries/Frameworks: Heroku, TensorFlow, Firebase, Flask, OpenPose
Languages: Korean

PROJECTS

OfflineTV Mobile App   Present
- Build an iOS application using Swift with backend components using Firebase and Python
- Compile a hub for the famous live-streamer group "OfflineTV" with all of their social media platforms including Twitter, YouTube, and Twitch

Text Summarizer - IvyHacks   October 2020
https://github.com/yoonpatrick3/summarizer
- Collaborated with members virtually to create a web app that summarizes YouTube videos and text blocks
- Designed two types of text summarizers, one based off of machine learning and the other based off a text-rank algorithm
- Built the web app on React and Javascript, and connected backend using Python Flask and Heroku

K-Pop Neural Network   May 2020
https://link.medium.com/Tnf27Z93F9
- Built a neural network in Python using TensorFlow to classify various Korean music based on their audio features provided by the Spotify API

K-Popy Web API   March 2020
http://kpop-api.herokuapp.com/instructions
- Collected various data on thousands of Korean music artists such as their stage name, age, and country of origin
- Developed a web API using Python and the Flask framework for users to call GET requests to receive data

WORK EXPERIENCE

Northeastern University D'Amore-McKim School of Business   Remote
Research Assistant   May 2020 - Present
- Collaborate alongside a professor's research about directors' and executives' influence and strategy
- Read thousands of annual reports from pharmaceutical and biotech companies
- Report and analyze various positions mentioned in the shareholder's letter

Northeastern University Khoury College of Computer Sciences   Boston, MA
Algorithms and Data Teaching Assistant   September 2020 - Present
Discrete Structures Teaching Assistant   April 2020 - June 2020
- Grade weekly homework and provide feedback to students
- Hold office hours to answer students' questions
- Teach students topics in math and theory often used in Computer Science

Legoland Discovery Center   Chicago, IL
Front Desk Associate   May 2019 - August 2019
- Built organization skills by taking calls and creating schedules for customers
- Managed cash and card transactions on a daily basis
- Accommodated families everyday to enhance their experience at Legoland

INTERESTS

Northeastern Korean American Student Association Treasurer, League of Legends, K-Pop, Chess