Patrick Yoon

Boston, MA · yoonpatrick3@gmail.com · 224-409-9750 · https://www.linkedin.com/in/yoonpatrick3/

Education

Northeastern University   Boston, MA
BS Computer Science, Business Analytics Minor *GPA: 3.9*   Sept 2019 - May 2023

Work Experience

Northeastern University Khoury College of Computer Sciences   Boston, MA
Discrete Structures (CS1800) Teaching Assistant   April 2020 - Present

- Graded weekly homework
- Held office hours for students to ask questions
- Worked along the professor

Northeastern University School of Nursing   Boston, MA
Office Assistant   January 2020 - April 2020

- Worked with a team to create a monthly newsletter
- Decided what information to display and designed the newsletter using MailChimp

Legoland Discovery Center   Chicago, IL
Front Desk Associate   May 2019 - August 2019

- Took calls and created schedules
- Handled cash and card transactions on a daily basis
- Operated a virtual reality ride

Skills

Programming Languages:	Java, HTML/CSS/JavaScript, C/C++, Python, SQL
Industry Knowledge:	Machine Learning, Bayesian Statistics, Web Development, Mobile Application
Languages:	Korean

Projects

Website Sentiment *Python 3, Ngrams, TF-IDF vectorizer, Naive Bayes Classification*
https://github.com/yoonpatrick3/website-sentiment
Allows user to input a website URL and it will output a number that represents that overall sentiment of that site.

Pathfinding Algorithm Visualization *Javascript*
https://github.com/yoonpatrick3/pathfinding-algorithm
Visualizes BFS, DFS, and A* search algorithm by setting a starting and end point within a generated maze. Also developed a bot for the classic game snake using A* search algorithm.

Stumbl *HTML/CSS/JavaScript, PHP, MySQL, Datamuse API*
https://github.com/yoonpatrick3/stumbl
Allows users to input various preferences, such as favorite movie and music genre and finds other users with similar interests.

Kpopy *Python 3, Jupyter Notebook, Selenium, JSON*   https://pypi.org/project/kpopy/
Python API that gathers thousands of information on Korean Artists

Volunteer/Leadership

Treasurer   Korean American Student Association (KASA)
Manage the financial end of things for KASA such as managing fundraisers, handling reimbursements, and organizing a club budget.   Sept 2020 - Present

Backend Developer   Covid Science Engine
Help develop an NLP-based algorithm that automatically extracts the most important information from papers to provide researchers with crucial information fast   April 2020 - Present