YUTA HAGIWARA

yhagiwara@fordham.edu | github.com/yuta346

EDUCATION:

Fordham University, New York, NY
       M.S in Computer Science, December 2021
       Cumulative GPA: 3.92/4.0
Northeastern University, Boston, MA
       B.S in Organizational Leadership, May 2016
       Honors/Awards: Summa Cum Laude

TECHNICAL SKILLS:

Front-end: JavaScript, React, HTML5, CSS3, Recharts, Material-UI, Bootstrap
Back-end: Python, C++, Flask
Databases: SQLite, MongoDB, SQLAlchemy
Data Analysis: pandas, NumPy, Matplotlib, scikit-learn
Other: Git, Tableau, MS Excel

EXPERIENCE:

Fordham University GSAS - Computational Neurobiology Laboratory, New York, NY   01/2021 - Present
  Graduate Research Assistant
- Conducted data analysis with a team of 6 to identify individual and institutional level risk factors for undiagnosed concussions and delayed care-seeking.
- Built multiple machine learning classification models, including Decision Tree, Random Forest, Naïve Bayes, and Support Vector Machine.
- Utilized dimensionality reduction techniques include principal component analysis, non-negative matrix factorization, and k-means clustering to reduce the number of variables.
- Performed data manipulation, cleansing, imputation, and standardization for the analytics.
- Presented data and conclusion to the team to improve strategies.

Utilized: Python, pandas, NumPy, Matplotlib, scikit-learn

Exciter K.K., Remote   08/2020 – 12/2020
  Intern
- Created a project proposal for a corporate web blog site project.
- Worked closely with SAP engineers to provide administrative support for SAP projects.

Robert Walters plc, Tokyo, Japan,   07/2016 – 03/2018
  Technical Recruitment Consultant
- Established great rapport with senior business leaders and talent acquisition teams.
- Calculated and analyzed the interview to offer conversion rate in MS Excel.
- Analyzed job orders to fully understand clients' specific needs and requirements.
- Attained 92% closure rate on candidates for 15 full-time hires.

PROJECTS:

Flashcard Web Application and Chrome Extension Input Tool
- Developed a flashcard web application using Flask and React that allows logged-in users to easily create flashcards with definitions and examples from the Oxford Dictionaries API, create a custom flashcard manually, study saved flashcards, take a quiz, and check user's progress and performance analytics.
- Designed and built a chrome extension input tool that allows users to save a word to their accounts without opening the flashcard web application. A word saved via the input tool will show up on the pending words page to choose the closest definition users would like to keep to their account.
- Managed code versioning with GitHub.

Utilized: Python, JavaScript, Flask, React, SQLite, SQLAlchemy, HTML/CSS, Material-UI, Recharts, The Oxford Dictionaries API

PUBLICATION:

- DD Leeds, Y Hagiwara, T Ahamed, "Optimizing Concussion Care Seeking (OCCS) In Military Service Members and Athletes: A Machine Learning Approach Using CARE Consortium Data", in prep