KAI WU

MS Computer Science, Expected Graduation: Dec 2020

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EDUCATION

Northeastern University

MS Computer Science

Sept 2018 – Dec 2020 San Jose, CA

GPA 3.76
Specialization: Data Science and Artificial Intelligence

University of California, Davis

BS Neurobiology, Physiology, Behavior

Sept 2015 – Dec 2017 Davis, CA

GPA 3.14

EXPERIENCE

Informatics Data Specialist Co-op

Genentech

Jan 2020 – Present South San Francisco, CA

- Supporting data management efforts in the Developmental Sciences department.
- Automating data conformance checking and processing for next-generation sequencing and immunohistochemistry/histology data transfers.
- Improving Python conformance checking scripts by adding documentation and modularization – reducing time spent on manual checks and making it easier to extend scripts for other uses.

Graduate Teaching Assistant

Northeastern University

May 2019 – Dec 2019 San Jose, CA

- Held in-person office hours for students in Computer Systems and Algorithms courses.
- Graded student assignments and gave personalized feedback after identifying bugs and errors in code.

ER Medical Scribe

Vituity

Mar 2017 – Aug 2017 Sacramento, CA

- Documented ER patient admissions and discharges in real-time using an electronic medical record.
- Tracked multiple patient charts during a shift for the provider, reducing wait times and improving patient satisfaction.

SKILLS

Languages

Python, Java, C/C++, Bash, R

Tools

Scikit-learn/pandas, Jupyter, SQL, Git/GitHub

Knowledge

Data science, Machine learning

PROJECTS

Home Credit Default Risk Prediction

Northeastern University

Oct 2019

- Based off of the 2018 competition from Kaggle to predict whether an applicant is capable of repaying a loan.
- Performed exploratory data analysis using pandas and numpy in Python.
- Trained a linear regression model using gradient descent in Ruby for predictions, combined with techniques such as one-hot, non-linear transformations, and normalization (z-score and L2).

Identifying Personal Attacks in Wikipedia Comments

Northeastern University

Nov 2019

- Developed a machine learning text classification model that classified Wikipedia comments as either a personal attack or not.
- Performed text cleanup, data extraction, and feature selection using scikit-learn in Jupyter

Order Manager Database

Northeastern University

Jun 2019

- Designed an SQL database using Apache Derby in a team of two, and made sure naming schemes were consistent for ease of use.
- Developed an API in Java for interactions with the database, and modularized code for easier collaboration.