Ruoqi Shi

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EDUCATION

Boston University   **Boston, MA**

B.A. in Mathematics (Statistics Track)

Expected 5/2021

Boston University   **Boston, MA**

B.A. in Computer Science

Expected 5/2021

Washington University in Saint Louis   **Saint Louis, MO**

B.A. in Computer Science

Expected 1/2023

WORK & ACADEMIC EXPERIENCE

Predicting Social Media Performance   09/2019 – 12/2019

- ➢ Data collected from Moro et al is reevaluated and developed into two possible prediction models for the lifetime consumers of a Facebook post.
- ➢ Both models are trained on a random subset of the original data and then reduction techniques implemented to find the best fitting and most parsimonious models.
- ➢ The remainder of the data is utilized to validate both models in terms of mean absolute percentage error.

Wine Data Description   01/2020 – 05/2020

- ➢ The goal is to find out factors that influence red and white wine quality correspondingly and compares the two models. Clients can use out models to find out the probability of getting a good wine.
- ➢ Took full charge of training and validating dataset and generating models. We first generate linear models which is denied since the data explained by the model is too small in both. Then we treat the quality as a dichotomous variable and finally find general linear models.
- ➢ Data is found from UCI Machine Learning Repository.

Detecting Pneumonia by Conventional Neural Network   07/2020 – 08/2020

- ➢ In this paper, data collected by Paul Mooney and an open notebook created by Madz2000 from Kaggle correlated with Pneumonia detection is revaluated and developed to a new training model.
- ➢ The goal is to improve the performance and accuracy of the original model found on Kaggle open notebook.
- ➢ Finally, by implementing average pooling and L2-regulations to the revised model, an accuracy of 93.43% is produced, 4.5% higher than the original model.

China Science and Technology aerospace Talent Service Co., Ltd   **08/2019-09/2019**

Assistant Analyst

- ➢ In charge of entries of general accruals and payroll related and check, vouchers auditing and posting in ERP for all reimbursement.
- ➢ Took full charge of supervision of accounts receivable, trading and not-trading accounts payable and procurement of properties.
- ➢ Made preparation of weekly cash flow forecast every week and checked on tax reports and returns and other taxes and surcharges.
- ➢ Cooperation with other functions on general accounting issues, managed and provided necessary support to general accounting team.

LEADERSHIP EXPERIENCE

BU Badminton Club   **2019.9-2020.5**

Vice President

- ➢ Booked and Designed Uniforms for team members
- ➢ Contacted coach and help the coach with training
- ➢ Held tryout at the beginning of each semester to recruit new team members

BU Badminton Club   **2018.9-2019.5**

Treasure

- ➢ Booked utilities and Requested invoice and W-9 forms from Supplier
- ➢ Open classes for members to pay for club fee and send out instructions of each steps
- ➢ Boost posts on giving day

SKILLS, ACTIVITIES & INTEREST

Skills: Native speaker in Chinese and fluent speaker in English; Capable of using Microsoft Suite, Jmp, Java, Python, R, Ocaml, SAS, and JavaScript.

Interests: Badminton, Piano, and Chinese Calligraphy