Brian Yao

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Authorized to work in the US for any employer, without need of sponsorship or visa

EDUCATION

Kean University,   **Union, NJ**
M.S. Computer Science   *September 2018 - May 2020*
- Analysis of Algorithms, Database Design and Development, Data Mining, Machine Learning

Rutgers University,   **New Brunswick, NJ**
B.S. Exercise Physiology   *September 2014 - May 2018*
- *Computer Science Minor*: Data Structures, Discrete Structures, Computer Architecture

WORK EXPERIENCE

Merchandising Assistant   **Edison, NJ**
99 Ranch   *October 2020 – Present*
- Perform routine analysis of merchandise sold and bought by the store, knowledgeable about the supply and demand of specific goods among a catalog of over 7,000 items.
- Utilize SAP enterprise software to perform data entry, data cleaning, and various other tasks on a daily basis.

Data Science Co-op   **Philadelphia, PA**
Comcast NBC Universal   *June 2019 – November 2019*
- Built two predictive models from scratch using Python and Spark and implemented them into live production using UC4 automation software. The first model predicted customers likely to upgrade their video tier, and the second model predicted customers that were likely to use their own mobile device when adding a new line.
- Conducted feature engineering using Hive SQL and Teradata to extract valuable insights from raw data.
- Wrote multiple ML scripts to automate steps in the predictive model-building process.

Research Assistant   **Union, NJ**
Machine Learning   *September 2018 – January 2019*
- Contributed to study, *A Machine Learning Approach to Classify and Reconstruct Partial Fingerprint Images*.
- Created the front-end application platform using PHP and python.
- Utilized TensorFlow and Machine Learning concepts to build a model for fingerprint recognition.

ACTIVITIES & LEADERSHIP

Code Samurai   **Union, NJ**
Tutor and Peer Mentor   *September 2018 – December 2018*
- Assisted numerous students over the semester with coursework in topics ranging from beginner Java to Advanced Algorithms.

TECHNICAL SKILLS

- Programming Languages: Java, Python
- Web Development: HTML5, CSS3, PHP, JavaScript, Node
- Frameworks: React/Redux, Sass, Angular
- Other: Webpack, GraphQL, Figma/Sketch, Unix, SQL

PROJECTS

PHP and JavaScript Sales Management System
- Designed a customer-employer transaction system that utilizes JavaScript and PHP for the front-end and a MySQL database for the back-end.