

LYNN(ZHILIN) YUE

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SUMMARY

Master's student in Computer Science with 4 years of programming experience in various areas, including **web application, machine learning, scientific research and data analysis**. Strong knowledge of computer science, mathematics and statistics, and solid programming skills in **Java, Python**, HTML, CSS, Ruby, and MySQL.

EDUCATION

University of Chicago - Chicago, IL

M.S. in Computer Science

Expected December 2018

Washington University in St. Louis - St. Louis, MO

M.A. in Physics University Fellowships, Arthur L. Hughes Fellowships

August 2017

University of Science and Technology of China - Hefei, Anhui

B.S. in Physics Outstanding Undergraduate Student Scholarship

June 2014

Relevant Courses: Algorithms, Data Structure, Machine learning, Databases, Web Development, Object Oriented Programming, Computer Networking, Python Programming, C

SKILLS

Programming Language: Java, Python, C, MATLAB, Ruby, Ruby on Rails, JavaScript, HTML, CSS, MySQL, PHP, Latex

Analytical Skills: Statistical Modeling, Python (Theano, Keras, Pytorch)

WORK EXPERIENCE

Research Assistant, Washington University in St. Louis - St. Louis, MO

May 2015 - May 2017

Technologies: MATLAB, Statistical Modeling, Experimental Design

- Extracted activities of neural pathways from recorded data using Principle Components Analysis (PCA)
- Construct quantitative models to simulate interactions between neural pathways and fit experimental data
- Solved mathematical models numerically by using MATLAB to interpret complex mechanisms of neural signal transmission

RELEVANT PROJECTS

Web Application Development - Yoga Blog, University of Chicago - Chicago, IL

Jan 2018 - Mar 2018

Technologies: MySQL, JavaScript, Ruby on Rails, HTML, CSS, Bootstrap

- Developed a full-stack web service to improve yoga learning experience based on personalized information
- Create Ruby on Rails application with RESTful APIs to handle HTTP requests and responses
- Designed and developed a relational database to store data
- Designed an interactive web page utilizing Ruby on Rails framework and AJAX technology (HTML, CSS and JavaScript)

Machine Learning, Washington University in St. Louis - St. Louis, MO

Jan 2017 - May 2017

Technologies: Python, MATLAB

- Built a spam email filter using linear logistic regression model, trained it with 2000 real-world emails and got 99.8% prediction accuracy
- Built a naïve Bayes Classifier and trained it with 1500 names to identify the gender of a given name
- Implemented a multi-layer perceptron neural network and predicted the housing price in Boston based on community statistics with 99% accuracy

OTHER INTERESTS

- Yoga - practiced for over 6 years on a weekly basis
- Piano - played and performed for the college choir, hospitals, and restaurants