

# ShouTai Yue

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**Programming Language:** C++, Python, Java, HTML, CSS, R

**Software/Framework:** Git, Docker, JSon, Postgres SQL, MongoDB, Amazon AWS

**Applications:** Microsoft Excel, Word, Powerpoint

**Soft Skills:** Prompt Communication, Problem Solving, Time management, Fluent in Mandarin

## Technical Experience

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### Programming

- Experience using SVM, KNN, Linear/logistic regression, Decision Tree/RFC, etc.
- Utilizing web crawlers to extract html/JSon, as well as analyze/treat data from such objects
- Experienced in visualizing classified data using plotly/matplotlib

### Projects

- Prediction of recipe rating based on ingredients/rating. ([github](#) , [webpage](#)) Identification of optimal hyperparameter, random forest training, as well as data cleaning.
- Developed an image classification model in Python to identify user-entered handwritten numbers, utilizing stochastic gradient descent (SGD) to train Support vector machines

## Work Experience

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### Vigorous W Development Co. LTD

June 2023 - August 2023

#### Website Development Summer Intern

- Enhanced company webpage design using CSS/HTML and developed a simple cost estimator for clients in Excel, which calculates estimates based on nearby housing prices, tax rates, and retaining value
- Data classification to identify customer types and needs through logistic regression using income status, age, and local tax rates
- Assisted in creating Chinese translation of the webpage

## Education

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### University of California, San Diego

September 2023 - Current

- Majors: Data Science, Business Economics | Minor: Philosophy
- 171 Units Completed, Senior Standing
- Academic GPA: 3.81 | Major GPA: 3.9

### Relevant Coursework:

- (Python/SQL) Practice of Data Science, Data management
- (Java) Data Structure/Algorithms for Data Science
- (Sorting and ML Algorithms) Probabilistic Modeling, Data mining
- (Stata, Excel, R) Data Analytics for the Social Sciences/ Econometrics