

# Yuke Wang

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## EDUCATION

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**University of Electronic Science and Technology of China (985&211 University)**      *Sept. 2014 – June 2018*  
B.S. in Software Engineering  
**GPA:** 89.43/100.00 or 3.93/4.00  
**Rank:** Top 5% for the 1<sup>st</sup> and 2<sup>nd</sup> year

## PROJECT & RESEARCH EXPERIENCE

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### Analysis of Outpatient Hospitalization Expenses

*Oct. 2016*

- The project aims at using the real data from the hospital's patients database, including both static data (Gender, Age) and the dynamic data (Outpatient & hospital costs, Medical Expenditure Reimbursement Proportion) to forecast the rational range of reimbursed medical expenses, also check the validation of the real medical expenses reimbursed by the patient.
- The beginning stage includes the medical data cleansing, which involves stripping out the dirty data, achieving data masking, checking the data consistency comparing to the real business logic and environment.
- During the middle of the project, we choosing the forecasting variables through using the logistic regression, line regression, AdaBoost classification, and Naive Bayes classifier, after that find the mostly business related and useful variables.
- After choosing the variables, we apply the several statistical metrics such as WOE(weight of evidence) and IV(Information Value) to measure the contribution of each variable to forecasting results.

### Data Analysis and Data Visualization

*Jan.2016 - Feb.2016*

- Using Python for big data analysis projects, including data cleaning, sorting and visualization technology, as well as utilizing Python, Pandas, Matplotlib, Numpy libraries.
- It has completed heat map for geographical distribution of the registered users, and web traffic monitoring by using website log.
- Using Baidu Maps Geocoding API to obtain the corresponding location (Latitude and Longitude)

### Python Web Development for Online Shopping Website

*Sept. 2015 - April. 2016*

- Mobile Mall Web project using Python Tornado asynchronous framework for website back end server program.
- Online shopping website using Python toolkit Whoosh to implement search engine development.
- The completion of the shopping site businesses include user registration, business certification, business merchandise entry, add goods to shopping carts, online paying.

### JSP Web page development and deployment of Tomcat server

*May 2016-June 2016*

- Use Java JSP technology to complete the development web pages of online bookstore management system, and use the Tomcat server to deploy.
- Back-end database using Oracle 12c, and connected by JDBC.
- The Web Site completed bookstore book purchasing, sales, inquiries and other business logic.

### Development of front page of Blog Website

*Apr. 2016-June 2016*

- The back end of the project site using Python Django framework, I am responsible for front-end page development including HTML file with embedded Python Django statement.

## HONORS & AWARDS

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**The First Prize Scholarship.** *(Top 5%)*

*Sept. 2015*

**Enterprise Scholarship.** *(Top 5%)*

*Dec. 2016*

**International Software Testing Qualifications Board.(Certified Tester)** *(Foundation Level)*

*Dec. 2016*