Haonan Zhang

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EDUCATION

University of New South Wales   Sep 2019 - Sep 2021

Information Technology. Master Faculty of Engineering   Sydney

- **Related courses:** deep learning, machine learning and data mining, artificial intelligence, human-computer interaction, data structure and algorithms, database systems, computer networks and applications

Hanshan Normal University   Sep 2014 - Sep 2018

Biology Science. Bachelor Faculty of Biology Sciences.   Chaoshan

PROJECT EXPERIENCE

Eatery Voucher Website   Jun 2021 - Aug 2021

Leader & Front End Developer & Scrum Master   Sydney

- Skills: Jira, Git, GitHub, React, Javascript, styled-components, CSS, Sass, npm, Axios, Bootstrap, Material-UI.

- Design and Implement a website software that provides restaurant discount vouchers. Includes two different user types for specific demands.

- Main features: Allows eatery users to create and verify vouchers; Allow diner users to search, navigate, and book vouchers. Also provides recommendation and subscription features. All users can create and manage their accounts.

- Design project proposal, construct all possible user stories and design a road map of the project.

- I use Jira to manage team co-operate, assign tasks to team members. I have created six sprints for this project, each sprint contains some features that support user stories.

- Use GitHub to manage project code.

- Use Git command to manage version control.

- Responsible for front-end development, use React app to build front-end framework and npm as the package manager.

- Use javascript, styled-components, CSS, Sass.

- Use Axios to connect front-end and back-end.

- Use React-Bootstrap and Material-UI as the third part of functionality licensing.

- Design website interface.

Personal Website   May 2021 - May 2021

Owner   Sydney

- Design and develop a personal website.

- Used skills: HTML5, CSS3, SCSS, Javascript, ES6, Bootstrap, Flexbox, Git.

Classification and rating prediction for user reviews (deep learning model)   Sep 2020 - Nov 2020

Sydney

- Write a Pytorch program to analyze review scores and industry classification.

- Use NLP methods such as regular expression, stem extraction, and stop words to preprocess the data.

- Construct a two-way LSTM neural network and the corresponding loss function.

- Train the model, analyze the results and adjust the hyperparameters of the training model, and repeatedly debug to get the best performance parameters.

- Use the model to predict user reviews, and finally achieved 90% accuracy in the test.

Rossmann sales forecast (machine learning)-Kaggle competition project   Jun 2020 - Jul 2020

Sydney

- Preprocess the data, clean the data.

- Build Ridge model, Lasso model, decision tree model, random forest model, integrated model to analyze and predict the database.

Sentiment analysis for Twitter user comments   Jun 2020 - Jul 2020

Sydney

- Perform text preprocessing on the Twitter comment data set.

- Build decision tree models, Bernoulli models, and polynomial models for the data set, and perform model training on the data set.

SKILLS LIST

- **Python**: Familiar with common features of Python, able to use metaprogramming appropriately to solve problems elegantly.Proficiency in using Pytorch.

- **C**: Familiar with C language data structure and algorithm.

- **SQL**: Proficiency in using MySQL and PostgreSQL for database query and construction of query programs.

- **Front End**: HTML5, CSS3, SASS, Javascript ES6, ReactJS, Node.js, Responsive Design, UI/UX Design.

- **Develops Tools & Platforms**: Jira, Github, Bitbucket, Git

EXTRACURRICULAR ACTIVITIES

Debate Competition   Oct 2015

Excellent debater   Chaoshan

MISCELLANEOUS

- **Skills:** Python, C, Front-End, SQL, Xmind, Sketch, Office, Photoshop, Lightroom.

- **Certifications:** Teacher qualification certificate, Mental health education C certificate, Mandarin level certificate

- **Languages:** English (IELTS: 6.5), English (CET-6), English (CET-4), Mandarin (Level 2)

- **Interests:** Coding, Design, Video Games, Photography