Zhaoyi Hou

Experience

07/2019 - present

Data Scientist Intern
Salk Institute for Biological Studies
- Processing and formatting research data (up to 10,000 pieces)
- Conducting hypothesis tests and visualizing data for presentation

02/2019 - present

Research Programmer
UC San Diego Shiley Eye Institute (Dr. Chao's Lab)
- Working on an Ophthalmology project that automatically measures patients' eye statistics.
- Use image recognition framework including Opencv in Python.

07/2019 - present

Part-time Data Scientist
NetEase
- Working remotely to mine data for NetEase's data-blog.
- Web page: http://data.163.com

03/2018 - 08/2019

Student Tutor (DSC20 - Intro to Data Structure)
UCSD CSE Department
- Explained data structures in Python to students.
- Helped students on homework and tested & graded their homework.

06/2018 - 08/2018

Mobile Frontend Intern
Xinhua News Agency - Technology & Innovation Center
- Designed mobile websites for various topics, based on the needs of editors.
- Used popular front-end development libraries like Node, Fullpage, jQuery.

Projects

04/2019 - 05/2019

Beijing Housing Price
A Data Analysis & Machine Learning Project
- Used Beijing house price data from Kaggle (originally from Lianjia.com)
- Analyzed 300,000+ pieces of house data
- Built a prediction model with lower than 10% error rate.

01/2019 - 03/2019

Used Car Price Predictor
A Data Analysis & Machine Learning Project
- Used Python BeautifulSoup to fetch 1.9 million used car data from the web.
- Used sklearn to predict the used car price with given model, year, and mileage.

01/2018 - 01/2018

"Calorie Calculator & Advisor "
A Web Crawler Project in Python
- Built a calorie calculator based on daily menu of school dining halls.
- Used Beautifulsoup to fetch menu.

Extracurricular Activities

Operation Chair - UCSD Chinese Computer Community
- Managing the social media of the project-based student organization.
- Producing media content related to CS community.

Education

present

University of California, San Diego
- Expected Graduate: June 2021
- Major: Data Science (B.S.)
- Minor: Communication
- UC-GPA: 3.77

Skills

Python

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Familiar with Pandas, SeaBorn, Beautifulsoup, Request, Scikit-Learn, etc.

Data Analysis

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Familiar with linear regression, Z-test, T-test, etc; also familiar with the usage of Python Pandas, Numpy, SciPy, etc.

Data Visualization

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Familiar with Seaborn and Matplotlib; understand the basis of Tableau.

Machine Learning

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Familiar with Sci-kit Learn; also familiar with machine learning techniques like K-NN, Decision Trees, Perceptron, Boosting, etc.

Object Oriented Programming

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Familiar with data structures in Java, C/C++.

Web Dev

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Familiar with Ajax and jQuery; understand the basis of Node.js.

Contact Me

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