CHANG Ruiqing
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- Online resume / LinkedIn

Education

Polytech Nice Sophia(Engineer's degree, master's degree)

- Applied Mathematics and Modeling(Data Science) (Sept. 2016 - present, Bac +4)

China University of Petroleum(Bachelor of Science)

- Mathematics and Applied Mathematics (Sept. 2012 - July 2016)

Exprience

Time series project(Mar. 2019)

- Use R to implement SMA, simple exponential smoothing and Holt-Winters algorithm and analyze the monthly sales of cars.

Partial differential equation project(Jan. 2019)

- Use Scilab to implement explicit and implicit Euler scheme for the equation of heat.

Spectral clustering project(Dec. 2018)

- Use Python to implement spectral clustering algorithm for bi-partition problems.

Integer linear programming project(Nov. 2018)

- Use Python to implement Branch-and Bound algorithm for integer linear programming problems.

Image blurring project(Oct. 2018)

- Use C++ to compile and implement Shepard interpolation algorithm on multiple platforms.

Data Analyst Intern(July 2018 - Sept. 2018)
Bayes Data Intelligence Technology Service Inc.(Xi'an, China)

- Use pgSQL and Python to establish real estate price forecasting model. Smart shopping cart recommender system research.

Recommender System Research(Venture Project)(June 2018 - Jan. 2019)

- Use Python to crawl the required information on forum pages and WeChat Mini Prgrams. Create a website MySQL database based on file attributes and directory structure. NLP analysis on the files printed by the user to determine the theme tag.

Oui!Greens ad serving algorithm project(June 2018)

- Use Python to implement greedy algorithm, Hungarian algorithm and HWM algorithm to solve the optimization problem of bipartite graph under KKT conditions.

Cryptographic currency price project(Feb. 2018 - May 2018)

- Use R to mine data and simulate user analytics profit.

Concept visualization project(Jan. 2018)

- Use Python to calculate Google's similar distance between untestable concepts, visualization by using t-SNE to reduce dimensionality.

Gesture recognition project(Sept. 2017 - Nov. 2017)

- Use C++ to call OpenCV library to realize face tracking and establish supervised learning model for gesture recognition.

Nutrition classification project(June 2017)

- Use Scilab to implement K-means algorithm to cluster products based on nutrients.

JavaFX predator model GUI project(Apr. 2017 - May 2017)
Neusoft Java Development Intern(July 2015 - Aug. 2015)
IPv6 School Resource Site Operations(Sept. 2014 - June 2016)

Technology Stack

Language: C++ / Java / Python / MATLAB / R / Scilab / SQL / LaTeX / UML
Library: NumPy / Pandas / Matplotlib / scikit-learn / TensorFlow / OpenCV / OpenGL / Request