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| Chongyi Xu | |
| Male Age22 Bachelor  13336077139 | [johnny.xcy1997@outlook.com](mailto:johnny.xcy1997@outlook.com)  Personal Website: johnnyxcy.com | |
| **Job Preference：**Algorithm | |
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| EDUCATION |  |
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| 2015.09 - 2019.06 University of Washington Seattle, WA Applied and Computational Mathematical Science  Courses：Data Structure, Algorithm Design and Analysis, WEB Develop, Database, Machine Learning, Mathematical Modelling Optimization, AI, Linux, Discrete Math and more | |
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| INTERNSHIP |  |
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| 2018.08-2018.10 Welian Hangzhou, ZJ WEB Front-end Engineer/Software Testing Internship   * Responsible for H5 Company Website maintenance. And **SEO** on website keywords according to visits. * Individually **developed H5 static and active web page** for APP sale event. * Responsible for IOS **APP testing**. Specify BUGs and keep tracking to ensure quality.   2017.08-2017.10 Lenovo Shanghai Data Engineer Internship   * Responsible for designing **SQL** Database table relationships and optimizing the performance. * Responsible for Front-end Web page testing. Specify BUGs and provide analysis. | |
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| PROJECTS |  |
| 2018.09-2018.12 University of Washington Seattle, WA   * Responsible for the **optimization** of assigning student candidates to TA positions for Math Department and CS Department. * Use the **data sampling** from candidate preferences and professor preferences in two years. * Analyze and Test various **assigning algorithms** including Stable Marriage Algorithm and Hungarian Algorithm * Compare the result obtained from real data with the model performance based on Monte Carlo Simulation to finalize an optimization and get accepted from Department.   2017.09-2017.12 University of Washington Seattle, WA   * Have a try on trending topics including eigenfaces, handwriting recognition and text labeling. * Use Singular Value Decomposition and Correlation Matrix to obtain eigen features from gray faces. * Use the handwriting recognition models trained on single layer NN and multiple layer NN to make a comparison on accuracy and make analysis. * Use real news and fake news fetched from internet to perform Naive Bayes, SVM, Decision Tree and KNN. Use word counter and tfi-df to vectorize the text input and compare the performance of difference combination with analysis. | |
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| LANGUAGES |  |
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| * Chinese, native speaker * TOEFEL 95，6 years study experience in US，native level speaking and writing skill * Japanese N1 170，able to communicate, read and write in business level | |
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| COMPITETION |  |
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| 2019 Def Hackathon Microsoft Programming Contest at Seattle 7th place   * Responsible for developing a Google Chrome extension * Individually developed **JS** and **PHP** for Back-end   2018 Google Games at Seattle 6th place | |