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| **Curriculum Vitae** | | | | | |
| 07410080854 | ziyu\_wang0504@163.com|Yingxiang Mingyuan, Ningjiang District, Songyuan, Jilin Province 138000 | | | | | |
| **EDUCATION** | | | | | |
| **The University of Manchester** | | **09/2019 - 06/2021** | | | |
| B.S in Earth and Environmental Science | **GPA:** 75% | | | | **First-Honor Class** |
| **Nanjing University of Information, Science and Technology** | | **09/2016 - 06/2019** | | | |
| B.S in Atmospheric Science **GPA:** 3.5/5.0 | |  | | | |
| **Relevant Coursework**: Linear Algebra, Fundamentals of Computer Science, Advanced Mathematics, Fortran Programming, Probability Theory and Statistics, Equations of Mathematical Physics, Computing Method,  **Coursera Online Courses**: Natural Language Process  **Coursework in Progress**:Data Structure I, JAVA Language Programming, Discrete Mathematics, Database System，Operate System, C++ OOP programming  **Standard Tests**: **GRE 329** (Verbal 159, 83%, Quantitative 170, 96%, Analytical Writing 3.), **Tofel** (Verbal 157, 76%, Quantitative 170, 96%, Analytical Writing 3.0) | | | | | |
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| **INTERNSHIP** | | | | | |
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| * 广德市自然资源管理局（亲戚关系开的，没啥用） * 也许能开计算机相关的 | | | | | |
| **PROJECTS** | | | | | |
| **Environmental Field Trip in Peak District National Park in the UK Manchester** | | | | | **04/2020 - 05/2020** |
| *Data Analyst and Report Producer Supervisor: Clare Robinson*  This project concentrates on the impact of erosion on carbon flux of Peatlands in southern Pennies based on the data sampled in Peak District National Park in the UK   * Inferred different factors affecting soil respiration and the interaction among them from existing data * Compared the correlation between organic carbon, moisture, pH and total nitrogen and soil respiration respectively * Conducted the final report on the soil vegetation and soil respiration using Excel and MATLAB for plotting and analyzing   **Research on Air Quality in Nottingham in the year 2011** **Manchester** **11/2019 – 12/2019**  *Data Analyst and Report Producer*  *Supervisor: James Allen*  This project focuses on the analysis of air quality in London in the year 2011, using R.   * Imported the air quality data into R language and assigned the huge selected dataset into OpenAir package to prepare for the analysis * Plotted different patterns of figures, such as summaryPlot, calendarPlot, windRose, etc. of the assigned dataset * Drew critical conclusions and gave insight ideas on the general trend of air quality changing in London 2011 based on the outcomes in R programming | | | | | |
| * Confirmed the main several pollution gases in London 2011 and produced a final report   新疆云模拟， 使用Linux  雷达气象识图 使用matlab很基础   * 自然语言处理整理气象知识图谱 老师徐小龙（未开始）      How do the elevated mixed layer and extratropical cyclones interact over the Central United States?   * 老师David Schultz（业界大牛） | | | | | |
| **PUBLICATION** | | | | | |
| **Qihang Dai**, Tianyi Guan, Honglei Wang,Ziyu Wang, Yue Tan, Bin Zhu *(Supervisor)*  *Characteristics of Air Quality in Different Climatic Zones of China during the COVID-19 Lockdown* (Sep. 25, 2020 submitted to Journal Particuology (Pending) ) | | | | | |
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| **EXTRA-CURRICULAR ACTIVITIES** | | | | | |
| **Peer Assisted Study Support (PASS)**   **Manchester** | | | | **02/2020 - Present** | |
| *Leader*   * Organized and facilitated weekly meetings with up to ten mentees and exercised strong time management to schedule and run sessions | | | | | |
| **Student Representative Manchester** | | | | **03/2020 - Present** | |
| * **学生代表会做的那些事情，跟班长差不多** | | | | | |
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| **ADDITIONAL INFORMATION** | | | | | |
| **Honors & Awards:** | | | | | |
| First-class Scholarship | | | | 2019 | |
|  | | | | | |
| **Programming languages**:  C++, Java, Python, R, SQL and MATLAB | | | | | |