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| Chinese Name | Shilong Yang | Email | [yangshilong1997@126.com](mailto:yangshilong1997@126.com) |
| University | Nanjing University | Department | Kuang Yaming Honors School |
| Graduate Date | summer 2019 | Degree | Bachelor of Science |
| Major | Chemistry (Intensive Instruction in Science) | Overall GPA | 4.00/5 |
| TOEFL | 101 (s 23) | GRE | 320 (V150/Q170) |
| Research Experience | Simulations of monolayer graphene growth on Cu in CVD method. (lammps software employed)  Trace element analysis of edible fungi. (divide fungi into pleat, stem and cap/ICP-AES involved)  Graphene coating of artificial bones to enhance antibacterial performance. | | |
| Skills and Hobbies | Sufficient chemistry experiment skills.  MC/MD simulation  Capable of doing research from physical chemistry to biological chemistry  Good communication skills  Always think of new ways to solve problems and welcomes to all different opinions  Tennis, basketball  Some hardware modification of computers and programming | | |
| Educational Interest | The reason that guides me to chemistry has a close connection to Professor James Tour with his Nano Kids. Those tiny figures that stand on the surface of metal really impress me. Though I didn’t make the choice to conduct organic synthesis, but I suppose carbon-based material is somehow related to organic. Whether carbon fiber or carbon nanotube shows me great potential of the element carbon. I would like to do further research on such materials and apply it to even more circumstances. | | |
| Career Plan | I would like to apply for a PhD degree. The experience of PhD could enhance my knowledge of the high-end materials research and develop more both experiment and communication skills. After education, I probably want to stay in laboratory or work at research center of some materials company. | | |

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