

Shilong Su

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EDUCATION

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- **Beijing Normal University (BNU)** Beijing, China
Bachelor of Science - Chemistry September 2018 - present
 - **Beijing Normal University** Beijing, China
Liyun College: Class of Chemistry September 2019 - present
 - **Beijing Normal University** Beijing, China
Minor: Bachelor of Art - Chinese Language and Literature; September 2019 - present

ACADEMIC RESULTS

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- **Grade Point Average(GPA)**
 - 92.43/100 previous three academic years (2018-2021)
 - 92.68/100 2020-2021 Academic Year
 - 92.40/100 2019-2020 Academic Year
 - 92.19/100 2018-2019 Academic Year
 - **Rankings**
 - 4/129; 3/28 in Liyun Class; Academic Ranking until Autumn Semester, 2020-2021
 - 2/29 in Liyun Class; Academic Ranking 2019-2020 Academic Year
 - 4/131; Academic Ranking 2018-2019 Academic Year
 - 1/29; Comprehensive Ranking 2019-2020 Academic Year
 - 1/131; Comprehensive Ranking 2018-2019 Academic Year

ACADEMIC VISITING

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- **College of Physical Science and Engineering, Cardiff University** Cardiff, Wales, UK
"Catalysts in Chemistry" Summer School July 20th - August 3rd, 2019
Best Group Project
 - **Oxford Prospects and Global Development Institute** Remote Online
Foundations of Human Sciences: Artificial Intelligence, Chemistry and Physics August 3rd - August 21st
Seminar Presentation: How we can cure Fragile X Syndrome Using Genome-Editing Technology
Seminar Leader: Dr. Natalia Gromak
 - **Oxford Prospects and Global Development Institute** Remote Online
Tutorials in Inorganic Chemistry August 3rd - August 21st
Totur: Dr. Lydia Gilday

ENGLISH-TAUGHT COURSES TAKEN

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- **Inorganic Chemistry** Spring Semester, 2018-2019
Tutor: Prof. Andreas Mayr, SUNY Stony Brook Grade: 100/100, highest score
 - **Molecular Biochemistry** Spring Semester, 2020-2021
Tutor: Prof. Lilian Hsu, Mount Holyoke College Grade: 96/100, highest score

RESEARCH EXPERIENCE

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- **College of Chemistry, BNU** Undergraduate Researcher
Advisor: Prof. Louzhen Fan Apr 2019 - May 2021
 - **Trials on Synthesis of Carbon Dots with fluorescence-phosphorescence dual emission:**
Supported by BNU Undergraduate Research Funds
Trying Different Precursors to synthesize dual-emissive carbon dots
 - **Trials on the Synthesis of narrow-bandwidth emissive fluorescent Carbon Dots:**
Trying Different Precursors to synthesize narrow-bandwidth emissive carbon dots, characterize its emissive properties
 - **Purification of Carbon Quantum Dots synthesized from Citric Acid:**
Supported by National Undergraduate Innovation Research Funds, excellent project
Systematically Purify the Carbon Dots synthesized from citric acid precursors
Characterize each component, hypothesizing its fluorescent mechanism
Improve the stability of citric acid carbon dots via different precursors

LANGUAGE & LANGUAGE TEST SCORES

- **TOEFL Internet Based Test** December 7th, 2019
Total: 108 Listening:29 Reading:30 Speaking:25 Writing:24
- **IELTS Test (Academic)** March 13th, 2021
Total: 8.0 Listening:9.0 Reading:9.0 Speaking:6.5 Writing:6.5
- **GRE General Test** November 30th, 2019
Total: 324 Verbal 155, Quantitative 169, Analytical Writing 3.0
- **College English Test (CET)-4** June 15th, 2019
Total: 651 Listening:224 Reading:231 Writing:196 Speaking:A
- **College English Test (CET)-6** December 14th, 2019
Total: 655 Listening:249 Reading:240 Writing:166 Speaking:B+

SKILLS SUMMARY

- **Experimental :** Hydrothermal/Solvothermal Synthesis, Basic Organic Synthesis(Lab Course Level),UV-Vis, PL & FL, FT-IR; (Lab Course Level Below):ICP-AES, AAS, GC, HPLC
- **Programming:** Python(including numpy,pandas,scikit-learn),R,Java(Course Level, Beginner), LaTeX(Beginner), Markdown
- **Computational Chemistry:** Gaussian, Chemcraft, Multiwfn(All beginner level)
- **Other Chemistry Related Software:** ChemOffice
- **Languages:** Chinese(Mother Tongue), English(Fluent,Test scores below)

HONORS & AWARDS

- **Honors & Scholarships**
 - National Scholarship-2019-2020 Academic Year (Nationwide Top Undergraduate Award, Top 1%)* December 2020
 - National Scholarship-2018-2019 Academic Year* December 2019
 - Jingshi Scholarship-First Class(Top 10%)-2019-2020 Academic Year* December 2020
 - Jingshi Scholarship-First Class(Top 10%)-2018-2019 Academic Year* December 2019
 - Competition Scholarship-Second Class-2019-2020 Academic Year* December 2020
 - Competition Scholarship-First Class-2018-2019 Academic Year* December 2019
- **Awards**
 - National English Competition for College Students (NECCS)-Second Prize, non-English Major* May 2019
 - NECCS-Third Prize, non-English Major* November 2020
 - 11th Chinese Mathematics Competition-Third Prize, Group A (non-Math Major)* November 2019
 - 12th Chinese Mathematics Competition-Third Prize, Group A (non-Math Major)* December 2020
 - 30th Beijing Mathematics Competition-Third Prize, Group Science Student* December 2019
 - 31th Beijing Mathematics Competition-Third Prize, Group Science Student* December 2020
 - 11th Beijing Chemical Experiment Competition for College Students-Outstanding Award (with Mr. Yiran Liu)* December 2019
 - 12th Beijing Chemical Experiment Competition for College Students-Outstanding Award* December 2020
 - 2021 Mathematical Contest in Modeling-Honorable Mention (with Mr.Jingdong Zhang & Mr.Shuyi Yan)* April 2021

EXTRACURRICULAR ACTIVITIES

- **Undergraduate Teaching Assistant, College of Chemistry, BNU** Sep 2020 - Jan 2021
Organic Chemistry IA (Bilingual) 2020 fall semester Lecturer: Prof. Zhong-Lin Lu
- **BNUChem-ugjc(Undergraduate Journal Club, BNU Chemistry)** Jul 2021 - present
Founder & Organizer: Activity reports, paper-sharing,invited review, etc. <https://bnuchem-ugjc.github.io>