Kecheng Wang

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EDUCATION

School of Physical Science and Technology (SPST), ShanghaiTech University   Shanghai, China
Candidate for Bachelor of Science - Chemistry   *Sept. 2021 - Jul. 2025 (expected)*

- Advisor: Prof. Bo Qiao
- GPA: **3.79**/4.0; major GPA: **3.97**/4.0
- Ranking: 1/17
- Courses (major): Organic, Inorganic, Physical, Analytical, Supramolecular Chemistry, Organic Spectroscopy, Organic Reactions and Applications, Modern Catalytic Systems and Polymer Synthesis.

HONORS AND AWARDS

- Outstanding Individual & 3rd Prize (group) in Social Practice   *Oct. 2022*
- Ranked top 5% in Comprehensive Assessment for 2021-2022   *Dec. 2022*
- ShanghaiTech Merit Student, 2021-2022   *Dec. 2022*

RESEARCH PROJECTS

School of Physical Science and Technology, ShanghaiTech University
Advisor: Prof. Bo Qiao   *Sept. 2021 - present*

Novel Lithium Electrolytes Based on Anion Recognition of C-H Hydrogen Bonds
                                                                          Sept. 2021 - present

- Design and synthesize CHF Based Anion Solvating Electrolytes, evaluate their anion binding ability of our motif.
- Perform related DFT calculations on Spartan.

TEACHING EXPERIENCE

Institute of Mathematical Sciences (IMS), ShanghaiTech University
Teaching assistant   *Sept. 2022 - Jan. 2023*

- **2022 Fall**: Linear Algebra I (recitation&grader), 30 undergraduates.   Instructor: Prof. Zhiyuan Ding

School of Physical Science and Technology (SPST), ShanghaiTech University
Teaching assistant   *Sept. 2022 - present*

- **2023 Spring**: General Chemistry I (grader), 65 undergraduates.   Instructor: Prof. Bo Qiao

COMMUNITY & LEADERSHIP

Student Union of School of Physical Science and Technology (SPST)
Organiser   *Jun. 2022 - present*

- **SPST Commencement&Opening Ceremony, 2022.**: Organization of the ceremony, recruitment and management of volunteers.

ShanghaiTech University
                                                                                     :
Volunteer during COVID pandemic Volunteer for 125+ hours, organize covid test and distribute supplies during the lockdown.

SKILLS SUMMARY

- **Coding**: Python
- **Experiments**: Organic Synthesis and related analysis.
- **Softwares**: Gaussian, ChemOffice, MestReNova, Origin, EndNote, LaTex.