

# Jasmine Shi

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## **EDUCATION**

**Carnegie Mellon University** Pittsburgh, PA

May 2027

Bachelor of Science in Chemistry

GPA: 4.0

**Relevant Coursework:** Principles of Imperative Computation, Information Systems Milieux

**Shanghai United International School Gubei Campus**, Shanghai, China

June 2023

Extracurricular Activities: Judo, Ba Duan Jin Qigong, Chemistry Competition

## **RESEARCH EXPERIENCE**

**Food Engineering, Nutrition and Biochemistry (FENBC)**

Shanghai, China

*Researcher*

June – Sept 2022

- Composed an adequate research paper focused on nitrite toxicity that was published as the first author on FENBC 2023
- Spent 80h accumulatively on researching and independent writing 7-page research, analyzing the metabolism and health effects of nitrile, and work was accepted by FENBC

## **PROJECT EXPERIENCE**

**Carnegie Mellon University, Fundamentals of Programming and Computer Science (15-112)**

*Game Developer: Slime Valley*

- Developed using VSCode for 70h, applied complex algorithm to produce an interactive game
- Inspired by Stardew Valley on Steam, implemented effective UI, and all elements are original pixel-style art, and was selected for Term Project Showcase at 15112 Fall 2023

## **LEADERSHIP EXPERIENCE**

**WeChat Official Account**

*Initiator & Operator of Official Account: Coldemistry*

- Composed and published original articles, designed & produced original club souvenirs
- Spend 6 hours weekly exploring chemical theories in daily to popularize scientific knowledge

**Chemistry Competition**

*Project Lead*

- Promoted the club in preparation for the UK Chemistry Olympiad competition led the club in achieving two golds and four silvers (combine)
- Guided or advised 11 members through difficult chemistry concepts and questions
- Arranged weekly seminars to practice and discuss past papers; boosted members' confidence with constant encouragement and experience sharing

## **SKILLS**

Computer Language: Python, JavaScript, HTML5, CSS, C

Art: Souvenir Design, Poster, UI Design, Basic Sculpture

Analytical Techniques: Chromatography, Spectroscopy and Mass spectrometry