

# Sihan Chen

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## EDUCATION

### University of Illinois at Urbana-Champaign

Champaign, IL

B.S. Electrical Engineering. GPA: 4.0/4.0.

Expected Graduation: May 2025

Relevant Coursework: Introduction to Electronics, Introduction to Computing, Introduction to Computer Science, Multivariable Calculus, Linear Algebra with Computational Application.

## LEADERSHIP

### Founder

China

#### The Lighthouse Blog

February 2019 - January 2021

- Founded and organized a blog-writing team focused on making educational choices with hundreds of followers.
- Conducted interviews with current and past high school students for their participation in the blog editing group.
- Addressed, publicized, and promoted solutions to critical issues in the educational system such as bullying.

### President

China

#### Electronic Music Club, Chengdu Foreign Language School

September 2019 - May 2021

- Introduced basic music theory and composition skills to club members. Hosted weekly workshops and lessons.
- They implemented DAW software, Garageband, Logic Pro, and FL Studio to guide members in making their own music.
- Integrated modifications based on XD000 XD-05 to enhance the stereo isolation of DT-1990 Pro.

### Team Captain

China

#### High School Mathematical Contest in Modeling Team 10100

September 2018 - January 2020

- Led math modeling and paper-writing on the basis of linear algebra and statistical analysis using MATLAB.
- Developed algorithms and models to evaluate the impacts of the banning act and implemented innovative policies.
- Received the Honorable Mention award in the 2019 High School Mathematical Contest in Modeling (HiMCM).

## WORK EXPERIENCE

### Research Intern

China

#### Chongqing Yaoxian Tech. Co. Ltd.

July 2019 - Present

- Co-wrote and edited "Expression and Prognostic Significance of Metastasis-Associated Protein 1 in Gastrointestinal Cancer." Published on Frontiers. December 2020. Doi: 10.3389/fonc.2020.542330.
- Co-wrote and edited "The Oncolytic Virus in Cancer Diagnosis and Treatment." Published on Frontiers. September 2020. Doi: 10.3389/fonc.2020.01786.
- Co-wrote and edited "Helicobacter pylori and Gastrointestinal and neurological diseases." Published on Wolters Kluwer. December 2019. Doi: 10.1097/MD.00000000000018460.

### Volunteer Tour Guide

China

#### Sichuan Provincial Museum

Summer 2017 - Summer 2020

- Provided guide tours on portrait stones and potteries in the Han Dynasty to visitors.
- Assisted in revising commentaries for guidance. Instructed younger teenagers to become future volunteer guides.

## SKILLS

**Technical:** Java, Python, MATLAB, Microsoft Office, Logic Pro, Multimeter, Oscilloscopes.

**Languages:** Native-level Mandarin and Fluent English.