

# Kenny Huang

[in](#) Kenny Huang

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## Education

Aug 2024 – May 2028

(Expected)

 **B.S., Carnegie Mellon University** Mathematical Sciences

Current GPA: 4.0 (Dean's List with High Honors)

Coursework Includes:

- 21-371: Functions of a Complex Variable (Audit)
- 21-373: Algebraic Structures (Audit)
- 21-228: Discrete Mathematics
- 21-295: Putnam Seminar
- 33-101: Black Holes

## Experience

Sep 2024 – Present

 **General Assembly Youth Delegate & Presenter** United Nations

Aug 2024 – Present

 **Mechanic, Builder, & Pusher** CMU Spirit Racing Systems

 **Exam Writer** CMU SciOly

 **Exam Writer** CMU CMIMC

Jul 2024 – Present

 **Youth Fellow** LearningPlanet Alliance

Mar 2024 – Present

 **Leadership Team / Head of Sciences** Young Pioneers Forum

Jan 2024 – Present

 **Global Leadership Team Member** Future of Sciences

Mar 2022 – Present

 **Founder** Renascience

Jul 2024 – Sep 2024

 **Aerospace Engineer** Icehouse Ventures

Jul 2024 – Jul 2024

 **UI/UX Designer** Adobe

 **Mechanical Engineer** Ferarri

Aug 2022 – May 2024

 **Co-Leader** Mandelbrot Math Club

## **Experience (continued)**

Mar 2022 – May 2024      **Video Editor & Student Representative** ISB Alumni Achievement Awards

Aug 2020 – May 2024      **President** Filmism Studios

## **Honors and Awards**

Dec 2024      **Silver Medalist**

Issued by Kaggle  
NeurIPS - Ariel Data Challenge 2024  
Placed 56th of 1151 teams

Nov 2024      **Finalist**  
Issued by Travel Photographer of the Year

May 2024      **Honorable Mention**  
Issued by International Mathematical Modeling Challenge

 **Honorable Mention**  
Issued by Interdisciplinary Contest in Modeling

Aug 2023      **National Top 50**  
Issued by American Association of Physics Teachers  
*2023 AAPT High School Physics Photo Contest*

Jun 2023      **Grade 11 Film Award**  
Issued by International School of Beijing  
*High School Achievement Awards*

Apr 2023      **Nominee**  
Issued by Fine Arts Photography Awards  
*Fine Arts Photography Awards: Professional Photographers Division*

Mar 2023      **USA Computing Olympiad: Platinum Division**  
Issued by USA Computing Olympiad  
Top 280

 **USAMO Qualification**  
Issued by Mathematical Association of America  
First USAMO Qualifier in 43 years of School History  
Top 250 (Approx. Top 0.6%)  
*2023 AIME II Score 10*

Dec 2022      **Honor Roll of Distinction**  
Issued by Mathematical Association of America  
Top 1%  
*2022 AMC12B Score 132*

## Honors and Awards (continued)

- Sep 2022  **Gold Award (Photography)**  
Issued by H.C. Andersen Art Awards
- Jan 2020  **Bronze Award**  
Issued by Across Silk Road Youth International Photography Competition
- Jan 2018  **Bronze Award**  
Issued by International School of Beijing  
*International School of Beijing PTA Photography Competition*

## Research Publications

### Journal Articles

- 1 K. S. Huang, "The impact of interstellar medium on the spectral coloration of celestial objects," *Advances in Higher Education*, vol. 2023, no. 27, 2023.
- 2 M. Wong, K. Huang, and J. Jiang, "A new digital image shifting method by considering the geometry of camera sensors," *Theoretical and Natural Science*, vol. 19, pp. 291–298, 2023.  DOI: 10.54254/2753-8818/19/20230602.

### Conference Proceedings

- 1 K. S. Huang, "The dynamic evolution of black holes in general relativity: Numerical relativity simulation," in *5th International Conference on Artificial Intelligence and Engineering Applications (AIEA)*, Oct 23, 2024, 2024.
- 2 K. S. Huang, "Dynamic mechanism of transformed nonlinear waves for the new extended (3+1)-dimensional shallow water wave equation," in *International Conference on Network Information Technology (ICNIT2023)*, EI Compendex, 2023.

## Patents

- Sep 2023  **Engineering Scale**  
Patent Number: ZL 2023 3 0432062.X  
Issued by China National Intellectual Property Administration (CNIPA)

## Projects

- Apr 2024 – Dec 2024  **Rails of Reunion (Documentary Film)**  
In a nation of over a billion people, where cultural traditions and family reunions are paramount, China's vast and innovative high-speed rail network becomes the lifeline that bridges the gap between bustling cities and tranquil villages, driving the world's largest annual human migration during the Lunar New Year.

## Projects (continued)

Dec 2022 – May 2023

### ■ Falling Out (Narrative Film)

An unexpected disease strikes her, shattering her dreams of becoming a professional ballerina. She is whisked onto a journey of either self-destruction or acceptance, and she ultimately chooses...

*Other Contributors: Jenna Leung, Olivia Wang*

## Additional Coursework

Jun 2022 – Sep 2023

### ■ UCSC Summer Sessions

Math 110: Introduction to Number Theory

Grade: Pass

Math 105A: Real Analysis

Grade: A+

Jun 2024 – Aug 2024

### ■ UC Berkeley Summer Sessions

Math W54: Linear Algebra & Differential Equations

Grade: A+

### ■ Stanford University Level Online

XP645: Light & Heat

Grade: A

## Skills & Interests

Technical

■ LaTeX, Python, and Photo Editing.

Languages

■ Native English and Chinese; Conversational French.

Interests

■ Badminton, Running, and Photography.