

## CHIEH-HUI CHANG

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Address: 16524 Cedar Run Dr., Orlando, Florida 32828

### EDUCATION

#### University of Massachusetts Amherst

Sep 2021 - May 2025

- GPA: **3.93/4.0**
- Major in computer science and rewarded for chancellor scholarship
- Joined **Robotics** designing Path planning and Object Avoidance of **NASA lunabotics competition** (Sep 2021 - present)

#### National Taiwan University(NTU)

Sep 2020 - Jun 2021

- **Studied in 12th grade**
- Relevant Coursework: Calculus, **Data Structure and Algorithm**

#### Taipei Municipal Chien-Kuo Senior High School<sup>1</sup>

Aug 2018 - Jun 2021

- Studied in the **scientifically gifted class (top 30)** collaborating with NTU
- GPA: **3.71/4.0**
- Awards:

##### *Off-campus scholastic contests:*

1. **First Prize** in math contest of the National Science Class Qualification Test organized by Taiwan University Science and Education Center (Aug 2020)
2. Selected by national team(as the **top 30**) to take part in the training team for International Mathematical Olympiad (Mar 2020)
3. **First Prize** and **National Gold Medal** (group contestants) of Taiwan Regions Mathematics League Competition (Aug 2018)
4. Shortlisted as Top 300 in the International Physics Olympiad national team prequalification (Nov 2019)
5. PR98 in the Tsing Hua University Cup National High School Chemistry Contest (Nov 2019)

##### *On-campus contests:*

1. Award for Mathematical Excellence during the science fair (Mar 2020)
2. First Prize in the annual math contest (Nov 2019)

### Research Project

- Arithmetic calculator with brackets in **c language** (Mar 2021)
- The similarities between emails with **minhash** method and **git version control** (May 2021 - Jun 2021)
- The perceptivity study of the two-point circular Siva Triangle in the triangle (Jan 2019 - Jul 2020)
- Studied the relationship between graphene oxide filter paper resistance and sucrose concentration using micro-biometric detector (Jul 2017 - Aug 2018)

### Skills

- Programming language : **Java, C, C++, Python**

### Extracurricular Activities

- Violinist of an off-campus youth symphony orchestra that performed for social groups (Aug 2014 - Jun 2021)
- **Captain** of a string quintet that consisted of two violins, one viola, and two cellos (May 2020 - Sep 2020)
- **VP** of Chien-Kuo Senior High School Math Book Club that met weekly (Jun 2018 - Jul 2020)

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<sup>1</sup> The high school with the highest entrance test score in Taiwan for boys

### **Volunteer Service and Leadership Experience**

- Science Camp jointly organized by Chien-Kuo Senior High School and Taipei First Girls High School (Feb 2019)
  - **Experiment Designer and Team Leader**
  - Help children in rural areas learn about scientific experiments and knowledge and inspire their interest in science

### **Certificate**

- **Mental arithmetic** Level 14; Abacus Level 5 (May 2015)