

# Yu Che (Jeffrey) Wang

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## Education

<b>University of Illinois</b>	Urbana-Champaign, IL
<b>Pre-Engineering</b>	May 2021
Major, Computer Science (intended)	GPA: 4.00/4.00 (Technical course: 4.0/4.0)
<b>Taipei Municipal Jianguo High School</b>	Taipei, Taiwan
Mathematics and Science Gifted Program	June 2017
	GPA: 3.97/4.0

## Skills

- Python (PyTorch, NumPy, SciPy, Pandas, Matplotlib, OpenCV, scikit-learn)
- C, C++, Java, MATLAB, HTML, CSS, JavaScript, Microsoft Applications

## Coursework

- Data Structures, Computer Architecture, Applied Machine Learning, Web Programming (in progress)
- Linear Algebra, Calculus, Differential Equations, Probability and Statistics

## Research Experience

- “Sound Source Localization in Videos” Oct. 2018 - current
  - Undergraduate research at the Computer Vision Group, University of Illinois at Urbana-Champaign
  - Apply self-supervised learning to localize sound sources in videos
- “Generate Photo Sketches using Generative Adversarial Network” May. 2018 - Aug. 2018
  - Summer internship at the IIS Computer Vision Lab, Academia Sinica
  - Utilize SVD and conditional-GAN to augment CUHK Face Sketch Database to create artificial face sketches
- “Visible Light Communication and Positioning” May. 2017 - Aug. 2017
  - Research assistant at the Mobile and Vehicular Network Laboratory, National Taiwan University
  - Use OFDM to transmit visible light signals from leading to following car
  - Visualize and analyze experimental data

## Honors and Awards

- 9<sup>th</sup> in the selection camp for national team for Asian and International Physics Olympiad Apr. 2017
- First place in the National Physics Competition Dec. 2016

## Work Experience

- Summer intern at the IIS Computer Vision Lab, Academia Sinica May. 2018 - Aug. 2018
- Mathematics and Physics Tutor May. 2018 - July. 2018

## Leadership and Volunteer Experience

- Vice President of Astronomy Club in Taipei Municipal Jianguo High School Jun. 2016
- Science Camp Program for Junior High School Students Jan. 2015