

Phuc (Jack) Le

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Junior at Cypress Woods High School and aspiring Computer Science Student

Education

Cypress Woods High School (Cypress, TX : August 2018 - June 2022)

- **GPA:** 6.800/6.000
- **Class Rank:** 12/768
- **Coursework with scores where applicable:** Computer Science AP A (5), Physics I AP (5), Physics II AP/Dual, Chemistry AP/Dual, Human Geography AP (4), World History AP (5), English Language & Composition AP
- **Standardized Testing:**
 - **SAT:** March 2021 - **1600** (800 Math, 800 Reading)
 - **PSAT:** January 2021 - **1480** (760 Math, 720 Reading)

Experience

Coding Languages:

- **Proficient:** Java, Python
- **Familiar:** JavaScript, C++, C#, HTML/CSS, Git

Languages: Fluent in English, Conversational proficiency in Vietnamese

Experience: Microsoft Office Suite, Basic knowledge of Machine Learning

Projects

Guitar Hero Project (Cypress, TX : January 2021)

- Using Java, I recreated the popular *Guitar Hero* game. Players can either manually play notes or let the computer play it automatically. The program has a set of preloaded songs; moreover, players can pick any song from <http://bit.ly/ghsongs>, and the program will work. For graphics and audio, I used the Standard Libraries from Princeton University.

Tag Cloud Project (Cypress, TX : November 2020)

- Using Java, my partner and I created a program that scrapes the HTML of any website given and generates a word cloud based on its contents. The sizing of each word is determined by the tag(s) that the word is enclosed by, as well as the number of times it appears on the website. The word cloud is optimized to prevent any overlapping of words.

Activities

Computer Science Club (Member : 2018 - Present)

- In the club, I learn data algorithms and strategies from my seniors, and regularly compete in various regional competitions, as well as in the statewide UIL meets. I also occasionally help teach newer members concepts that I have learned.

Science Olympiad Club (Member: 2019 - Present)

- I studied various topics relating to Science Olympiad events and used what I learned to compete at regional competitions. At these competitions, I mainly focused on events relating to biology and Computer Science.

Interact Club (Former Event Coordinator : 2018 - Present)

- I volunteered at service projects in the local community. As event coordinator, I was responsible for finding these projects and events, communicating to the volunteer coordinators, and sharing the events with our members.

Math Club (Member : 2019 - Present)

- I learned new math concepts and applied them to competitive mathematics, including UIL and the AMC.

Cinema Club (Co-Founder, Treasurer : 2020 - Present)

- We watched movies and analyzed the technical aspects of filmmaking, such as the effect of Computer-generated Imagery (CGI), lighting, and more. As club treasurer, I was in charge of the club's financial account and expenditures.

Honors

- UIL Computer Science Team (2018 - Present): won various awards at regional meets.
- United States of America Computing Olympiad (2021): Silver division .
- HP Code Wars (2020 - 2021): placed in the top 10 of over 250 teams.
- Kattis (2020 - 2021): Top 30 in Texas.
- Distinguished Honor Roll (2016 - Present): Awarded to students who achieved all A's.