

# Jonathan Zhang

## Experience

**CSSI-Coursera**, Google

*Student*, June 2020 to August 2020

- Completed Algorithmic Toolbox course and discussed algorithm design in office hours

*Freelance Tutor*, January 2018 to May 2020

- >300 hours tutoring ACT/SAT/PSAT, high school science and math

**Google Code-In** | [www.codein.withgoogle.com/archive](http://www.codein.withgoogle.com/archive)

*Mentor*, December 2019 to January 2020

- Managed hundreds of student tasks; reviewed submissions and answered questions

**St. Jude**, Memphis, TN | [www.stjuderesearch.org/site/lab/yu/people](http://www.stjuderesearch.org/site/lab/yu/people)

*Computational Biology Intern*, June to August 2019

- Coded pipeline with R that generated intercellular networks from scRNAseq data
- Curated gene databases and created network visualizations of breast cancer data

**Mulan Asian Bistro East**, Memphis, TN | [www.mulaneast.net](http://www.mulaneast.net)

*Host*, July 2018 to January 2019

**First Author** | Toll-Like Receptor Agonists in Cancer Therapy

- Novel Approaches in Cancer Study (NACS) (<https://u.nu/c4xtt>)

## Skills

**Applications:** Overleaf (LaTeX), Word, Excel, PowerPoint, Tableau

**Development:** R, Python, C, Java, Git

**Personal:** Public Speaking, Leadership, Presentation, Team Communication, Customer Service

## Honors

**Lockheed Martin STEM Scholar** | 2020-2023

- \$10,000 scholarship for 3 years awarded to incoming university engineering majors

**SIAM MathWorks Math Modeling Challenge 2<sup>nd</sup> Place Paper** | April 2020

- Modeled the growth and industrial implications of electric trucking through economic data in paper “Stuck with Trucks? Anticipate an Uptick in Electrick” ([www.u.nu/f44-j](http://www.u.nu/f44-j))

**CEE USABO Semifinalist (2x)** | April 2019, April 2020

- Out of >5,000 participants, advanced to the semifinal level (top 10%) on written biology exam

**Google Code-In Grand Prize Winner for Digital Impact Alliance** | January 2019

- Out of 3,124 programmers, declared 1 of 54 winners for exemplary open-source contributions over the 50-day task period

## Education

**White Station High School** | Class of 2020

- GPA: 4.734 | Class Rank: 5 / 466
- Activities:* Science Olympiad (Build Leader) | Model UN (Vice President) | Biology Olympiad (Vice President) | Community Service Club (Co-President)