

# Justin Shiqi Liu

jsliu@umich.edu (248)-592-4718  
47512 Alpine Dr, Novi, MI, 48374

[www.linkedin.com/in/jsliu67](https://www.linkedin.com/in/jsliu67)  
<https://github.com/jello15659>

## Education

**Novi High School** | Novi, MI

(Graduation: May 2020)

- GPA: 4.00 out of 4.00 | Weighted: 4.44
- Test Scores: ACT 36, SAT 1550, SAT Math II 800, SAT Physics 760, SAT Biology 760
- AP Scores: Chemistry 5, Physics C: Mechanics 5, Computer Science A 5, Calculus AB 5, Biology 5, Psychology 5, Physics C: E&M 5, Microeconomics 5, Macroeconomics 5, Calculus BC 5, European History 4
- Honors: Summa Cum Laude, Novi High School Top Scholar, A & B Honor Roll, Presidential Award for Educational Excellence

**University of Michigan College of Engineering** | Ann Arbor, MI

(Aug 2020 - May 2024)

- Courses: Programming and Introductory Data Structures, Discrete Math, Multivariable and Vector Calculus, Intro to Cognitive Science

## Programming Skills

Working Proficiency: C++, Python, Pygame, Java, LaTeX, JavaScript, Unity

## Experience

**Introductory Programming Teacher** | NCCAE, Novi, MI

(Jun 2020 - Aug 2020)

NCCAE is a non-profit organization that provides education services to the public.

- Taught an 8-week introductory course on Pygame (extension of the coding language Python) to children of ages 11+
- Students learned to build basic games such as Snake, TicTacToe, and Flappy Bird from scratch

**University of Windsor Research Assistant** | Windsor, ON

(Jul 2019)

- Assisted Ph.D research team in the Department of Mechanical, Automotive, and Materials Engineering
- Polished and observed different weight-percentages of Mg-Zn alloy specimens
- Tested materials for tensile and anti-corrosive properties to determine optimal bio-material for bone implants

**Windsor Regional Hospital Technician Intern** | Cancer Center, Windsor, ON

(Jul 2019 - Aug 2019)

- Extracted/analyzed 200+ anal canal cancer patient's data for relationships and patterns
- Determined effects of varying treatment methods on anal canal cancer from 1990 to present

**Busser at China Cafe** | China Cafe, Novi, MI

(Jun 2019 - Jan 2020)

- Responsibilities include clearing tables, serving plates, serving food
- Learned commitment, people skills and professionalism

## Activities & Awards

**NHacks Head of Sponsorship** | Novi High School

(Sep 2019 - Aug 2020)

Michigan's first high school hackathon, with more than 150 attendees

- Managed sponsorship proposals and sponsor relations
- General preparations and transitions to NHacks's first online hackathon

**Math Club** | Novi High School

(Sep 2018 - Aug 2020)

- Top 200 in Michigan Math Prize Competition (MMPC)
- 3rd and 2nd places Michigan Math League (MML) as a school (10th and 11th)

**HOSA - Future Health Professionals** | Novi High School

(Sep 2016 - May 2020)

Competed in test/skill/teamwork events relevant to the field of medicine and healthcare

- 2nd Place Dental Terminology
- 6th Place Medical Innovation
- 7th Place Forensics Science