

Justin Shiqi Liu

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Education

University of Michigan College of Engineering | Ann Arbor, MI

(Aug 2020 - May 2024)

- GPA: 4.00 out of 4.00
- Relevant Coursework: Programming and Introductory Data Structures, Data Structures and Algorithms, Discrete Math, Multivariable and Vector Calculus, Linear Algebra.

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

Programming Skills

Working Proficiency: C++, Python, Pygame, Java, 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

MedLaunch | University of Michigan

(Sep 2020 - Present)

Work on yearly biomedical engineering related projects

- Developing virtual reality games in Unity to help stroke patients recover command over their limbs in an easier way than traditional physical therapy.

VOID Consulting | University of Michigan

(Sep 2020 - Present)

Design and create websites for client companies, mainly local businesses near Ann Arbor

- Revamping the website for Independence Rides, a local business in Michigan that offers dignified transportation to the elderly.

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

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