

JESSICA ZHENG

134 Rose Brier Dr, Rochester Hills, MI 48309 | (248) 856 - 5489 | jzheng5@andrew.cmu.edu

Education

Carnegie Mellon University

Aug 2023 - May 2027

- Bachelor of Science, Information Systems (GPA: 3.56 / 4.0)
- NCAA Athletics: Varsity Swim and Dive Team Athlete
- Selected Coursework: Fundamentals of Programming and Computer Science, Concepts of Mathematics, Methods for Statistics and Data Science
- Dean's List Fall '23

Oakland University

May 2023 - August 2023

- Selected Coursework: Calculus II, Introduction to Python Programming & Unix

International Academy, Bloomfield Hills, MI

Aug 2019 - May 2023

- International Baccalaureate Diploma Awardee
- Selected Coursework: Higher Level (HL) Biology, HL History, Standard Level Physics
- Weighted GPA: 4.26 // Unweighted GPA: 3.98

Skills

- Languages: Python, LaTeX, R

Projects

Formula One "2048" (Language: Python)

- Programmed the popular "2048" tile merging game while further incorporating aspects of Formula One racing teams and live F1 data on Constructor rankings and points from current and previous seasons
- Developed game modes based on F1 season, a hint button highlighted the tile with the most optimal move, and difficulty levels based on tile merging and movement
- Coded over 800 lines over the course of 50 hours while including Object Oriented Programming (OOP), animations, backtracking, and personal drawings of the game

Experience

Research at Oakland University Biology Lab

July - August 2022

- Collaborated with the University's biology professor daily to research gene cloning
- Designed primers to clone full length and partial genes manually and digitally

Vice President and Co-founder of International Academy Green Group

Aug 2020 - May 2023

- Co-led with 4 other board members to spread awareness for environmental change with over 100 club members through weekly club meetings
- Organized weekly volunteer events both for the students and Metro Detroit communities

Team Captain of Rochester Adams Girls Swim & Dive

Dec 2021 - Dec 2022

- Managed a team of over 40 swimmers through team building activities, creating fundraising events, and finding volunteer opportunities
- Awarded MHSAA All State in the 500 freestyle; 4-Year Varsity Swimmer

Other

- Silver Presidential Award for Volunteering
- Bowers Farm Camp Steward (100+ hours)
- OLY Swimming Competitive Athlete for 13 Years

