


Rachel Tong

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EDUCATION

Olentangy Orange High School (OOHS) - *Honors Class of '25* - 4.64/4.0 weighted

Ohio State University (OSU) Academy - *Dual Enrollment* - 4.0/4.0

Calculus 3, Foundations I: Discrete Structures, Probability and Statistics for Engineers, C++, Python, Linear Algebra, Foundations of Higher Mathematics, Software I

Carnegie Mellon University (CMU) School of Computer Science - *Incoming Class of '29*

Summer Session Pre-college '23: Principles of Imperative Computation, Matrices/Linear Transformations

EXPERIENCE

Marion County IT Department - Intern (Summer 2024)

- Deployed VPN software and Apache HTTP server on virtual machines
- Automated user-provisioning in AD and Group Policy with Powershell scripts
- Assisted in cybersecurity strengthening and digital forensic investigation after Columbus ransomware attack
- Set up a network, server, and surveillance technology

Dublin Green Family Dental - Part-time receptionist (2022-2024)

- Schedule patients using the Dentrix software and medical coding
- Call patients and insurance companies; handle financial transactions

Techgirlz - TA (2023)

- Co-hosted You Can Code! workshop; introduced middle-school girls to block-based code

Acquaint - Mentor (2022-2023)

- Conducted global volunteer networking meetings to strip down preconceptions, explore cultural differences, and introduce new members to a fully virtual international organization (90+ countries)

HONORS

- NCWIT Aspirations in Computing Ohio Affiliate Winner (2025)
- OSU High School I/O Competitive Programming Award (2023)
- Baldwin Wallace High School Programming Competition Top 6 (2024)
- FIRST Robotics Competition National Semifinalists (2024)
- National Merit Semifinalist (2024)

PROJECTS

OSU High School I/O Hackathon - Trained a machine-learning model using a database of images with Python to diagnose diseased tomato plants.

OSU Data I/O Hackathon - Leveraged large datasets on vehicle classifications and emissions data to uncover trends between vehicle types and CO₂ emissions. Presented findings using Matplotlib.

OZONE Robotics: Programming Team - Developed Python team scouting tool w/ web-scraping and data analysis

Reflections of Women in AI - Published itch.io Ren'py visual novel educational game, created with Python.

SKILLS

Python, Java, C++, HTML, Linux, Powershell, Active Directory, LaTeX

Languages: Spanish, Mandarin
