

Sarah Du

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EDUCATION

St. Clement's School, Toronto, Ontario

Expected Graduation June, 2027

Grade 11 average: 97.85%

SAT: 1530 (790 Math, 740 Reading and Writing)

AP scores: Computer Science A: 5; Statistics: 5; Language Composition: 4

Additional Coursework: Python for Data Science, AI & Development | IBM via Coursera

EXPERIENCE AND EXTRACURRICULARS

Data Science Independent Research with Dr. Ganesh Mani, Carnegie Mellon University Professor

2026

- Investigated how children's educational television programs use repetition as a pedagogical strategy to support learning, and how patterns of repetition reflect different learning goals.
- Built a scalable end-to-end Databricks/PySpark pipeline to process multimodal media data using a coding dictionary to identify 15 instructional strategies; normalized results by frames per 1,000 words.
- To be published in Curieux Review Journal October issue and presented at AIxHeart K-12 Workshop

Founder & Technical Lead

2024-2026

Clossique | AI-Powered Fashion Startup

- Developed an AI-powered fashion platform that uses 2D try-ons and 3D avatars to reduce uncertainty when shopping for clothing while helping independent designers showcase their work.
- Full stack development using Java, Spring Boot, Next.js, React, Typescript, MySQL, Docker
- Integrated Three.js/WebXR for 3D visualization and developed social features that let users share outfits and shop tagged items directly from posts.

Co-developer and Lead

Food Bank Expiry Tracking System | with Dr. Tao Wang, University of Toronto Professor

2026

- Built a React Native app that scans barcodes and uses a vision-language model (VLM) to extract product information and expiry dates.
- Developed a centralized tracking system with warehouse accounts and volunteer scanning sessions to replace manual inventory tracking and automatically record scanned products and expiry dates.

AI Ecosystem Researcher & Interviewer

Ontario AI Ecosystem Interview Research Project

- Conduct interviews with AI and data science professionals, professors, government leaders, venture capitalists, and entrepreneurs to explore Ontario's AI ecosystem.
- Examined how venture funding, commercialization, public policy, and entrepreneurship influence the development of Ontario's AI industry.

Co-founder & Curriculum Designer,

Computer Engineering Club & OpenCode Project

2025-2026

- Co-founded St.Clement's School Computer Engineering Club and developed hands on lessons in Micro:bits and robotics.
- Expanded the curriculum through OpenCode Project, creating free online video tutorials, activity handouts and. OpenCode Resource website to help other schools and programs implement the curriculum.

STEM Curriculum Designer & Lead Instructor

Computer Engineering & 3D Printing Summer Camp

2025-2026

- Designed and led a Computer Engineering and 3D Printing summer camp for students in Grades 2 - 5, teaching Scratch programming, 3D Printing, and micro:bit engineering through hands on projects.

Professional Actress

Film, TV & Commercial Productions

- Role of Piano Girl in the movie Darkest Miriam which premiered at TIFF and Tribeca Film Festival in NYC. Shown in Cineplex theatres across Toronto, Montreal, and Vancouver.
- Role of Beijing Mrs. O in TV Show Odd Squad.
- Appeared in McDonald Commercial.

- Drama Club Head** 2025-2026
- Co-directed Alice in Wonderland, coordinating performers, rehearsals, blocking, lighting, and technical production from planning through performance.
 - Lead club activities and mentor students in acting, stage presence, character development, and collaborative performance.

- Competitive Golf** 2022-2026
- AJGA(American Junior Golf Association) Preview 9th 2025 (U19)
 - Placed 7th at Golf Canada Next Gen Pacific Championship 2024 (U19)
 - Placed 9th at the National Golf Canada U15 Championships 2024 (U15)
 - Placed 12th at the SuperCamp Golf Ontario Invitational 2024 (U19)
 - Won the 2023 US Kids Canadian Invitational (U15)
 - Won the 2024 US Kids Michigan Invitational (U15)
 - 2025 Ontario Next Wave Development Athlete
 - Represented my school and CISAA at the 2024 and 2025 OFSAA Golf Championship

- Vice President** 2024-2026
- Toronto Tiger Golf Association (TTGA) Junior | Golf for Cancer*
- Planned and organized the 2024, 2025, and 2026 TTGA Golf for Cancer Junior Tournaments, raising \$10,000 funds for the Canadian Cancer Society, following the group, and hosting the awards ceremony.
 - Organized a golf workshop with SwingLab's owner focused on injury prevention, mobility, and performance optimization.

VOLUNTEER EXPERIENCE

- Literacy Tutor | Kâpâpâmahchakwêw Wandering Spirit School** 2025-2026
- Implementing a peer tutoring program focused on improving literacy skills in split classes of Grade 1 and 2 students at the Kâpâpâmahchakwêw Wandering Spirit School.

- Senior Ambassador and Tour Guide at St. Clement's School** 2025-2026
- Served as a panelist for prospective students in grades 7-12, where I answered questions they had previously submitted and guided my group through activities as they got know the school.
 - Led prospective students and their families on school tours, introducing them to St. Clement's School's programs, facilities, and student life.

- Digital Literacy Mentor** 2026
- Teach elders essential digital skills through one on one mentoring.

- Social Media, Marketing & Administrative Volunteer** 2023-2026
- SwingLab Golf and Performance
- Designed social media advertisements and promotions for Swing Lab Golf and Performance.
 - Assisted with front desk operations, welcomed clients, managed appointments, and prepared and sent invoices.

HONORS & AWARDS

- **Second Place, Scotiabank Award** | AI Entrepreneurship Competition; recognized Clossette as an outstanding AI venture.
- **Certificate of Distinction** | University of Waterloo Hypatia Contest; Top 25% of all competitors.
- **Senior Data Management Award** | Awarded for excellence in the graduate level Data Management course.
- **AP Scholar award** | College Board
- **Certificate of Distinction** | Beaver Computing Contest

SKILLS & CERTIFICATIONS

- *Computer Skills: Python, Java, JavaScript, TypeScript, SQL, React, React Naive, Next.js, Spring Boot, MySQL, Docker, Jupyter Notebook, Three.js, WebXR*
- *Certifications: RCM Level 8 with First Class Honours, Canadian Ski Instructors' Alliance (CSIA) Level 1*