

Alexander Sotnikov

100nik0v5@gmail.com ♦ North York, Ontario

EDUCATION

High School Diploma

Sept 2020 - June 2024

A.Y. Jackson Secondary School, North York ON

- Top 6 Grade 12 Midterm Average: 94.3%
- AP Coursework: AP Advanced Functions: 98, AP Calculus: 96, AP Physics: 95

BaSc Computer Engineering

Sept 2024 - June 2029

University of Waterloo, Waterloo ON

- Will begin attendance in September 2024

EXTRA-CURRICULAR ACTIVITIES

Founder and President

September 2020 - June 2024

AYJ Chess Club

- Led a 15 Member Executive team, in organizing weekly in-person and online chess tournaments (average attendance of 30 people). Organized fundraising initiative to procure boards and chess clocks to the club after the pandemic.
- Organized a weekly chess training initiative, where chess beginners attended weekly meetings to improve their chess skills.
- Organized the first ever AY Invitational Chess Tournament, in which teams from other TDSB schools participated.

Founder, Supervisor and Member

September 2022- June 2024

AYJ Chess Team

- Organized the school's first ever chess team, which went on to win the TDSB Chess Championship.
- Organized travel logistics and tryouts for the team.
- Led the chess team as team captain at the Ontario Schools Chess Team Championship

President, Vice-President, and Events-Coordinator

June 2021- June 2024

AYJ Physics Club

- Led a team of executives in organizing multiple stargazing events, and promoted and directed an eclipse viewing event which had 140 signups. Also organized weekly lectures of physics topics.
- Collaborated with other clubs to host physics demos.
- Promoted weekly meetings during the pandemic.

Member

September 2022- June 2024

Robotics Team

- Participated in designing and building the robot.
- Wrote code for the robot in VEX programming language.

Assistant Instructor (Volunteering)

September 2021- September 2022

Myung's Taekwondo

- Volunteered as an assistant instructor, helping in the education of young pupils in taekwondo skills such as kicking, and poomsae.

Tutor (Volunteering)

September 2022- September 2024

AY Jackson

- Tutored classmates in mathematics and physics topics, ranging from grade 10 to grade 12 curriculum.

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AWARDS

Distinction Awards

- COMC Math Contest (2020, 2023)
- CIMC Math Contest (2021)
- Euclid Math Contest (2023, 2024)
- CCC Computing Contest (2024)
- Hypatia Math Contest (2023)
- Fermat Math Contest (2023)
- Galois Math Contest (2022)
- Pascal Math Contest (2021)
- SIN Physics Contest (2024)

Curriculum Awards

- AP Scholar Award (2023)
- AYJ Science Award (2024)
- Mathematics Department Excellency Award (2024)
- Physics Department Excellency Award (2024)
- Physics Student of the Year Award (2024)

ACHIEVEMENTS

- Taekwondo Second Dan Black Belt (2023)
- AP Computer Science Exam (Score: 5)
- AP Physics Mechanics Exam (Score: 4)
- AP Calculus BC Exam (Score: 3, Subscore of 4 for AP Calculus AB)
- 5/5 Score at the Ontario Schools Chess Team Championship
- Received University of Waterloo President's Scholarship
- Qualified for DECA provincials (2022)

SKILLS

Languages: Java, Python, CSS, HTML, Markdown, yaml, C, Javascript

Hardware: Raspberry Pi, Arduino

Skills: Leadership, Communication, Advertising, Teaching

Technologies: Eclipse IDE, Microsoft Office Suite, Tinkercad 3D Design, Adobe Photoshop