

Levi Guo

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EDUCATION

Queen's University, Kingston, ON 2024 - Present

- BASc in Electrical Engineering
- Academics: Cumulative GPA: 4.09/4.30
- Leadership & Involvement: Queen's VEX Robotics Team, Queen's Racing FSAE Team, Engineering Review Board

Iroquois Ridge High School, Oakville, Ontario 2022 - 2024

- Academics: 94.3% Grade 12 Average
- Leadership & Involvement: Debate Club Executive, Prom Executive, Advanced Functions Tutor, Concert Choir

RELEVANT EXPERIENCE

Queen's VEX Robotics Team Kingston, Ontario

Electrical Team, Member Oct 2024 - Present

- Assisted in researching and standardizing I/O connections on the optometry board with Molex [00160-20069](#) and [50579406](#) with electrical leads.
- Completed an onboarding tutorial for KiCad.

Dean's Donation Team, Member Oct 2024 - Nov 2024

- Summarized budget into 5 sections, corresponding to travel, sub-teams and events, with purchase links and reasoning. Organized content by communicating with Directors and the President.

Engineering Notebook Team, Member Dec 2024 - Present

- Developed the notebook template in Typst, a markup language similar to LaTeX. Gathered preferences from the team and rubrics from VEX resources.

Queen's Racing FSAE Team Kingston, Ontario

Electrical Team, Member Oct 2024 - Present

- Completed an onboarding tutorial for LTSpice.

Composite Team, Member Nov 2024 - Present

- Completed a steering wheel and a hubcap tutorial in SolidWorks.

Engineering Society of Queen's University Kingston, Ontario

Engineering Review Board Oct 2024 - Present

- Reviewed 3 standard operating procedures. Drafting 2 information sources for the design teams.

Iroquois Ridge High School

Oakville, Ontario

Debate Club Executive

Sep 2023 - May 2024

- Designed sticker merchandise and promoted the club by distributing amongst 30+ members.

Prom Executive

Sep 2023 - May 2024

- Organized seatings for 380+ attendees while consulting table preferences.
- Communicated with DJ, photo booth and venue through email. Coordinated dates and pricing plans.

PROJECT

Water Pre-filtration System, Class Project, APSC 101

Sep 2024 - Dec 2024

- Completed 5 major reports with Words, describing stakeholders, functions, constraints, regulations, etc.
- Designed a dispensing system in SolidWorks and setted up the mounts, tubing, and sand filter for the prototype.
- Received full marks and exemplary results on the prototype.

COMPETITION

Queen's Engineering Competition

Nov 2024

- Completed a report and a presentation on the design and feasibility for a building demolisher.
- Designed a mechanism that utilizes elastic bands to push a wooden stick. Mechanism is controlled by releasing a pin, allowing it to achieve consistent results .
- Received full marks and exemplary results on the prototype.

INTERESTS

- **Visual Arts:** Utilized skills for class projects and club promotion. Gathered 1000+ followers on Instagram. 5 years of extracurricular art class.
- **Music Production:** Used SoundTrap to produce harmonic song covers. Utilized piano skills.
- **Army Cadets:** 4 years of membership.
- **Sports:** Badminton, basketball, pingpong, skiing and soccer.

SKILLS

- **Computer Languages:** C, HTML, CSS
- **Tools:** SolidWorks, Typst, Excel, Word, PowerPoint, Arduino, KiCad, LTSpice

ADDITIONAL INFORMATION

- Currently possess an Ontario "G" class license
- References are available upon request