

Curriculum Vitae

Leo Duan

Basic Information

Name: Leo Duan

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Education

- New Westminster Secondary School - 2025 (expected)

Courses and Exams

International Baccalaureate (IB)

- IB Analysis & Approaches HL
- IB Physics HL
- IB Chemistry HL
- IB Literature HL
- IB Psychology SL
- IB Spanish (ab initio) SL

Advanced Placement (AP)

- AP Physics 1: 5
- AP Physics 2: 5
- AP Physics C Mechanics: 5
- AP Physics C Electricity and Magnetism: 5
- AP Chemistry: 5
- AP Calculus BC: 5 (AP Calculus AB subscore: 5)

Projects

- **leoduan.com** - Personal website. Built with Next.js and TypeScript.
- **Lerna (lerna.app)** - Educational platform. Built with Next.js, TypeScript, MDX, Python (PyLaTeX), and LaTeX.
- **GPQ (gpq.vercel.app)** - Acronym for “Grind Practice Questions”. Question bank for the digital SAT. Built with Next.js, TypeScript, and MDX.
- **FiddleLeaf (fiddleleaf.vercel.app)** - A music transcription library. Built with Next.js and TypeScript. Scores created using MuseScore.

Work Experiences

Cook, A&W Restaurants; New Westminster, BC — 2022-07-11 to 2022-10-29

- Worked full time (40 hours) during summer break; most of the times until store closing at 12:30AM.
- Worked part time (20 hours) during school year.
- Operated clamshell grills, fryers, toasters, CVaps, and Thermodynes.
- Made orders on demand while following the standard operating procedure.
- Trained on A&W standards and WHMIS.
- Worked cooperatively with a team or independently in the operation of the kitchen.

Packer, Roger’s Custom Meats (1981) LTD; Prince George, BC — 2019-01 to 2020-03

- Labelled products with pricing guns and labelling machines.
- Operated of vacuum sealers, scales, and plastic film machines.
- Boxed items according to purchase order.

Go Tutor; Prince George, BC — 2018-04 to 2018-09

- Tutored the board game of Go

Achievements

- Honourable Mention at the Toshiba ExploraVision Science Competition - 2024
- Played trumpet in the school Shrek the Musical production, which won 1st place at the Canada Young Theatre Awards - 2024
- 4th place out of 76 teams at the 46th UBC Physics Olympics Quizzics - 2024
- SAT score of 1550; 750 in reading and 800 in math — 2023
- Participated in the Physics Brawl — 2023
- Participated in the Kwantlen Science Challenge — 2023
- Highly Commended in Minds Underground Essay Competition — 2023

- Participated in the Breakthrough Junior Challenge — 2021, 2022
- Represented school in school team and our teams won the Innovation Project Award and the Motivate Award in the FIRST Lego League Challenge in Victoria, BC — 2020
- 2nd place in Red Cedar Book Awards Competition — 2020
- Canadian Red Cross Babysitter Certificate — 2019
- Canadian Red Cross Level 4 Swimming Certificate — 2018
- 2 gold medals, 1 silver medal in Go Championship in Shenyang, China — 2015, 2016

Extracurriculars

Science

- Physics Club - Founder, president. Club dedicated to helping avid physics students in sharpening their physics skills and preparing for competitions.
- Science Club - Co-president. Participated in the school team for Kwantlen Science Challenge and the 46th UBC Physics Olympics.

Music

- Vancouver Youth Jazz Orchestra - Trumpeter. Played at the Vancouver International Jazz Festival 2024.
- Jam Club - Founder, president, trumpeter, arranger. Just a jazz club!
- Shrek the Musical (school production) - Trumpeter
- New Westminster Youth Jazz Combo - Pianist, arranger.
- New Westminster Secondary School Jazz Band (A and B) - Trumpeter.
- Noxious Obs Marching Band - Trumpeter. Played at the New West Pride Street Festival 2023 and around the city on Halloween 2023.

Others

- Schoolhouse (schoolhouse.world) - Tutor. Certified tutor in calculus, physics, and pre-algebra.
- Harvard Pre-College Summer School Program - Accepted, did not attend.
- Stanford Summer Session - Accepted, did not attend.
- Columbia Summer High School Academic Program for Engineers (SHAPE) - Accepted, did not attend.
- Indigenous Events Committee - Co-president. Helped out with Indigenous related events throughout the school. Funded more than \$700 for a food drive going to help roughly 30 families in need in a winter food drive.
- Volunteering for MP Peter Julian - Volunteer. Volunteered for MP Peter Julian in the 2023 July 1st event at New Westminster Pier Park.

Languages

- English (bilingual proficiency)
- Mandarin Chinese (native proficiency)