

# Curriculum Vitae

Leo Duan

## Basic Information

*Name:* Leo Duan

*Phone number:* 604-928-8182

*Email:* leoduan0@icloud.com

*Website:* leoduan.com

## Education

- New Westminster Secondary School - 2025 (expected)

## Courses

### 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.
- **Grindr (grindr.vercel.app)** - Question bank for the digital SAT. Built with Next.js and TypeScript.
- **FiddleLeaf (fiddleleaf.vercel.app)** - A music transcription library. Built with Next.js and TypeScript.

## Work Experiences

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

- Operated clamshell grills, fryers, toasters, CVaps, and Thermodynes.
- Made orders on demand while following SOP.
- Trained on A&W standards and WHMIS.
- Worked on late night closing shifts until 12:30AM.
- Work cooperatively with a team or independently in the operation of the restaurant kitchen.

### **Co-owner, Facebook Marketplace Account; New Westminster, BC — 2021-10 to 2022-12**

- Generated more than \$3000 in total revenue with 94 completed orders.
- Communicated with customers both in person and online.
- Cooperated with partner in maintaining the account.
- Delivered products to customers by commuting and using mailing services.
- Performed accounting, product record, and price record for transactions using Apple Numbers.

### **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. A place where musicians can come together and just jam music (mostly jazz)!
- Shrek the Musical (school production) - Played trumpet for the awesome Shrek the Musical!
- New Westminster Youth Jazz Combo - Pianist, arranger.
- New Westminster Secondary School Jazz Band (A and B) - Trumpeter.
- Noxious Obs Marching Band - Trumpeter. Played in many events around the city, including marching and jamming on Halloween, regional festivals, etc.

## Others

- Writings (leoduan.com/writings) - Some personal writings of my ideas in philosophy and science.
- 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)