

Lucas Chen

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PROFILE

High-achieving University of Waterloo computer engineering major with aspirations to join the high-tech society and use software to make the world a more efficient, safe and enjoyable place. Proven track record demonstrating high levels of dedication and time management across past jobs, education and sports.

TECHNICAL SKILLS

Languages: Python, Java, C/C++

Tools: GIT, Jenkins, Pexpect, JIRA

Collaboration: Slack, Bitbucket, Confluence Documentation, Code Review

EXPERIENCE

Ciena Corporation, Photonics Software Team

Calgary, AB

Software Engineering Internship

- Two internship terms, working in a team-based environment creating automation scripts to support photonics software development.

Summer 2025

May 2025 – Aug. 2025

- Programming in Python and JavaScript
- Developed card and component sanity scripts that expedited software load submission through test automation.
- Authored high-level test suite to automate routine system checks, monitor health, and diagnose potential issues.

Summer 2024

June 2024 – Sept. 2024

- Developed test cases in Python for system-level sanity testing to facilitate debugging of software load upgrades and downgrades.
- Collaborated with team members in a Git-based workflow for version control and code review.

Team Panorama, Panorama Mountain Resort

Panorama, BC

Ski Racing Coach

Sept. 2024 – Apr. 2025

- Coached a group of 10 athletes (ages 8–9) - Weekends @ Panorama + Weekdays @ Winsport.
- Set up race courses targeting specific skills and developed training plans for athlete development.

Winsport, Canada Olympic Park

Calgary, AB

Mountain Bike Instructor

Jun. 2023 – Aug. 2023

- Designed week long instruction plans to teach beginner and intermediate MTB techniques and skills.
- Responsible for groups of ten campers (Ages 6-11).

EDUCATION

University of Waterloo

Waterloo, ON

BASc in Computer Engineering, President's Scholarship

Sept. 2025 – Present

Western Canada High School

Calgary, AB

French Immersion, Honors Society Alumni, 95% Average

Aug. 2022 – Jun. 2025

CERTIFICATIONS

- National Coaching Certification Program: SafeSport, ACA-CSC EL Course (Apr. 2023 – Present)
- PMBIA Level 1 Certified Mountain Bike Instructor (Apr. 2023 – Present)
- ACA-CSC Level 1 Certified Ski Coach (Sept. 2024 – Present)
- Red Cross – Standard First Aid/CPR C (Apr. 2024 – Present)
- DELF B2 French Language Fluency

EXTRA-CURRICULAR ACTIVITIES

FIS Alpine Ski Racing, Team Panorama

Calgary, AB

Athlete

Sept. 2022 – Apr. 2024

- Trained 5 days per week
- Tuning and maintaining equipment
- Balanced schoolwork with week-long race series.

Royal Conservatory of Music

Calgary, AB

Piano Certification

Sept. 2013 – Apr. 2023

- Completed RCM Repertoire Certification Grade 10
- Completed RCM Theory Certification Grade 8