Ansh Chugh **Electrical Engineering Student**

Kelowna, BC

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TECHNICAL SKILLS

|  |  |  |
| --- | --- | --- |
| **Design and Programming** | **Electronics** | **Documentation and Reporting** |
| * AutoCAD/SolidWorks * Python * C++ * HTML/CSS * GitHub | * Circuit Design/Components * Basic Circuit Tools * Arduino * Soldering | * Technical Report Writing * Project Reporting and Deliverables * Microsoft Office Suite |

**EDUCATION**

**University of British Columbia ,** Kelowna BC **Expected Graduation: May 2028**

***Bachelor of Applied Science – Electrical Engineering,*** *Mechatronics Option*

***Current GPA:*** *89.8% - Dean’s List*

***Co-op:*** *Available for 4 months beginning May 2026*

TECHNICAL WORK EXPERIENCE

**Prince Rupert Port Authority,** Prince Rupert, BC  **June 2025 – August 2025**

***Engineering Intern***

* Contributed to the $700M+ *Ridley Island Export Logistics Project (RIELP)*, gaining hands-on experience with one of Canada’s largest infrastructure developments.
* Prepared daily construction progress reports used by senior engineers and stakeholders, integrating site inspections, toolbox meetings, and AutoCAD drawings to ensure accurate communication of project milestones.
* Authored professional project documents and a closing report for a major project, which were formally used by internal teams and shared with external stakeholders.
* Developed AutoCAD berm designs using LiDAR survey data, performing volume calculations and cost estimations to assess construction feasibility.

OTHER WORK EXPERIENCE

**Skeena Tutoring,** Prince Rupert, BC **June 2024 – Present**

***Founder / Instructor***

* Founded a student-run tutoring initiative as a high school capstone project to address the lack of academic support in the Prince Rupert community, growing it into a recognized local service.
* Designed and maintained a website and social media presence to promote “Students Helping Students,” increasing visibility and attracting new clients.
* Managed scheduling, payments, and client communications, ensuring consistent service delivery to multiple students across different grade levels.
* Developed and delivered tailored lesson plans in math and science, providing over 250 hours of in-person and online tutoring.

TECHNICAL PROJECTS

**The Matcha Mobile – 1:7 Scale Modular Electrical Bicycle,** UBC **January 2025 - May 2025**

* Led the electrical sub team in designing and soldering a circuit which integrated Arduino-based controls to power servo and gear motors.
* Designed the electrical component housing and full cable routing system in SolidWorks, ensuring safe integration and accessibility.
* Modeled and built the front fork assembly in SolidWorks, contributing to the mechanical design of the bike.
* Recorded and edited the team’s finalist project video, showcasing the concept and functionality for evaluation.

**Personal Portfolio Website,** Personal Project **July 2025**

* Coded and deployed a personal portfolio website using HTML, CSS, and GitHub to showcase projects, technical skills, awards, and hobbies
* Applied responsive design principles to ensure usability across devices, integrating accessibility features to improve navigation for users with disabilities.

VOLUNTEER EXPERIENCE

**North Coast Indo-Canadian Arts Club,** Prince Rupert, BC **June 2020 – Present**

***Volunteer / Member***

* Supported annual community events including Seafest, Salmonfest, and Canada Day, contributing to planning, setup, and operations.
* Assisted with advertising and community outreach through social media and local promotions, helping increase event attendance and visibility.

AWARDS

**Governor General’s Bronze Medal**  2025

**Deputy Vice-Chancellor Scholarship,** UBC 2025

**City of Prince Rupert Top Academic Award –** Presented by the Mayor to the city’s top graduating student 2024

**Valedictorian**, Charles Hays Secondary School 2024

INTERESTS & ACTIVITIES

* Eight years in school and community bands; served as lead drummer in pit band for high school musicals and lead bassist in choir ensemble. Raised over $10,000 for the local theatre through Ring System Studios, and now actively volunteer with the SD52 music program by teaching children and supporting community music events.
* Passionate about jazz and music theory; compose original pieces and record piano, drums, and vocals, Proficient in DAWs, microphone setup, and sound design to produce high-quality recordings.
* Competed in Competitive Esports such as Fortnite tournaments, earning prize winnings; developed teamwork, adaptability, and strategic decision-making under pressure.