

Erica Ngo

Victoria, BC | ericango@uvic.ca | www.linkedin.com/in/erica-ngo | ericango-portfolio.vercel.app

EDUCATION

University of Victoria

Bachelor of Software Engineering (BSEng)
GPA: 8.7/9.0

Victoria, BC
09/2024 to 05/2029 (expected)

Esquimalt High School

French Immersion & Gifted Education Programs
Academic Average: 97.5%

Victoria, BC
09/2020 to 06/2024

SKILLS

Technical Skills

- **Programming:** Java, C, HTML, CSS, Python, R
- **Software & Tools:** Microsoft Office Suite (Word, Excel, PowerPoint), Git, Linux, KiCad (schematic & PCB design), Fusion 360 (3D modeling), QMK Firmware
- **Hardware Skills:** Soldering through-hole components, basic circuit assembly

Professional Skills

- **Communication:** Taught Taekwondo classes, provided social engagement at health facilities, wrote performance reports, and maintained clear email correspondence
- **Leadership & Teamwork:** Led youth volunteer teams, coordinated lesson plans, collaborated with instructors and community teams

Time Management

- Balanced 5-6 university courses alongside part-time work and volunteering
- Organized and prioritized tasks effectively using planners and time-blocking

PROJECTS

Portfolio Webpage Development (Self-Learning Project, 2025)

- Designed and developed a personal portfolio site using HTML and CSS
- Learned front-end web development independently through YouTube and ChatGPT guidance
- Built responsive pages to showcase projects, skills, and ongoing work
- Demonstrates initiative in self-teaching and creating professional platforms
- View website: ericango-portfolio.vercel.app

Custom 3x3 Macropad Development (Workshop) — UVic WEST x Schneider Electric (2025)

- Designed circuit schematic and PCB layout using KiCad
- Modeled and 3D-printed the macropad case with Fusion 360
- Soldered components and assembled the device hardware
- Programmed key mappings using QMK firmware
- Gained hands-on experience across electronics, hardware design, and embedded software

WORK EXPERIENCE

Taekwondo Instructor - Mijo Taekwondo

09/2018 to Current | Victoria, BC

- Instructed students aged 3 to adult; prepared lesson plans tailored to varying skill levels
- Evaluated student progress and provided actionable feedback

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Step Up Youth Program Volunteer - Island Health

09/2022 to 04/2024 | Victoria, BC

- Provided social engagement support to patients and residents at the Summit Long-Term Care and Victoria General Hospital
- Led youth volunteer teams; managed attendance and wrote performance reports

Full Day Summer Camp Leader - Esquimalt Rec Centre

05/2023 to 09/2023 | Victoria, BC

- Supervised children ages 5–10; ensured safety and engagement through varied activities
- Administered first aid when necessary

Cashier - Whole Foods Market

04/2023 to 07/2023 | Victoria, BC

- Quickly memorized 100+ produce codes and maintained high-speed transaction processing

ACHIEVEMENTS

University of Victoria (2024-2025)

- UVic Second Year Scholarships (\$10,000)
- UVic Entrance Scholarships (\$11,600)

Esquimalt High School (2020-2024)

- Highest scores in Waterloo Canadian Senior Mathematics Contest, Fermat and Cayley math contests within the school (2022-2024)
- French Immersion Department Top Senior Student Award (2024)
- Subject Awards: Chemistry 12, Pre-Calculus 12, Sciences humaines 10, Français 10
- Honour Roll with Distinction (2022-2024)

Regional

- Second highest score in Canadian Senior Mathematics Contest in Lower Island Zone (2024)
- Ranked in top 25% nationally in Waterloo Pascal, Cayley, and Fermat math contests (2021-2023)
- 2nd Place, GVPL Tiny Stories Writing Contest (2022-2024)

CERTIFICATIONS

- First Aid and CPR C
- Second Degree Black Belt, Taekwondo
- Class 7N Driver's License

INTERESTS

Creative writing, reading, running, origami, practising Taekwondo, and cooking Korean cuisine.

REFERENCES

Michelle Carpenter, Mijo Taekwondo Owner

Mijo Taekwondo

Victoria, BC

250-896-0203

m.carpenter@mijotaekwondo.com