

# Sabrina Allan

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## EDUCATION

### Simon Fraser University

Burnaby, British Columbia

*Bachelor of Applied Science in Computer Engineering*

*Expected Graduation, August 2029*

- **Concentrations:** IoT Systems and Applications
- **GPA:** 3.69/4.00
- **Related Coursework:** Algorithms, Debugging, Structured & Object-Oriented Programming, Applications to Computer Graphics, Binary Systems, Computer Architecture

## SKILLS

**Programming:** Java, JavaScript, HTML5 & CSS3, Node.js, MATLAB, C++, C

**Tools:** IntelliJ, Eclipse, Linux, Git, Render

## PROJECTS

### Personal Website (*JavaScript, HTML5 & CSS3*) 🌐

*December 2024 - January 2025*

*Individual Project*

- Developed a professional website using HTML5, CSS3, and JavaScript, delivering a responsive and appealing interface optimized for desktop and mobile devices
- Implemented a fully functional contact form backend using Render for direct email communication
- Integrated the message form into a GitHub Pages-hosted frontend, ensuring secure and efficient message delivery

### The Cloud-Controlled Smart Switch (*JavaScript, HTML5 & CSS3, C++, C*) 🐙

*September 2024 - December 2024*

*Design Lab Group Project*

- Developed the web interface using HTML5, CSS3, and JavaScript for a 6-person Engineering Design Lab allowing users to remotely toggle appliances on and off and observe their power usage through connection with an ESP32
- Assisted in programming the ESP32 firmware in C and C++ to process HTTP requests, trigger relay actions, and provide real-time status updates
- Presented orally to 2 teaching assistants 2 professors, and passing students, achieving a 90% on the project

## WORK EXPERIENCE

### The City of Coquitlam

Coquitlam, British Columbia

*Program Leader*

*May 2024 - Present*

- Promoted to Program Leader after 1 year as a Recreation Instructor in recognition of leadership and program facilitation skills
- Supervise groups of 12 - 20 children for full-day recreation camps during child breaks

### The City of Coquitlam

Coquitlam, British Columbia

*Recreation Instructor*

*July 2023 - Present*

- Lead recreational after-school programs for groups of 12 children aged 0 - 14 across Coquitlam community centers, cultivating learning and play
- Secured the role by demonstrating leadership and program facilitation skills gained through 7 months of dedicated volunteering

**iLoveKickboxing***Kickboxing Instructor***Burnaby, British Columbia***March 2023 - June 2024*

- Hired as the youngest instructor to lead engaging cardio-based kickboxing classes for groups of 10–20 participants aged 13+, ensuring inclusivity and energy
- Consistently received 5-star reviews through an online feedback system reflecting personalized guidance and support for each participant

**ACTIVITIES AND LEADERSHIP**

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**The Engineering Science Students Society (ESSS)***First Year Representative***Simon Fraser University***September 2024 - Present*

- Elected as face of the first year Engineering Science students after delivering a successful campaign and speech to 200 students, securing the position against 12 candidates
- Planned and taught a Calculus I pre-exam help night for 30 students and organized tutors and food for the event. Shared the lesson with the ESSS discord server of 400+ Engineering students, improving knowledge of differential Calculus across the program

**Women in Engineering (WiE)***Club Member***Simon Fraser University***September 2024 - Present*

- Voluntarily planned a fall social with 2 WiE vice presidents for 1 month attracting 34 engineering students to the event
- Regularly attend general meetings with approximately 20 members, collaborating closely with club executives between the ESSS and WiE, strengthening community within the Engineering department