Cirus Chakma

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Portfolio: https://www.cirusch.com/

EDUCATION

Bachelor of Applied Science — Software Systems Engineering - **University of Regina,** Regina, SK

September 2022 – PRESENT

(expected graduation December 2026)

Awards & Participation (Selected)

- Took part in the Engineering Drawing Competition (University of Regina, 2023)

- Represented the college in the Inter-School Science Fair (Dhaka, Bangladesh, 2020)

- Member of Photography Club in BAF Shaheen College (Dhaka, Bangladesh, 2019-2021)

RELEVANT KNOWLEDGE, SKILLS, AND ACCOMPLISHMENTS

Technical

- Built responsive web components using HTML5, CSS3, JavaScript, and customized WordPress environment elements to make successful web programs based on stakeholder requirements.

- Prototyped UI/UX designs in Figma, maintaining visual hierarchy and applying Gestalt principles to enhance user experience.

- Applied object-oriented principles and implemented software design patterns such as Observer, Adapter, Factory, and Facade in academic Java projects.

- Programmed embedded systems on the STM32F103RB using C++ in Keil uVision, designing circuit-based control systems that integrated sensors, relays, LEDs, fans, and push-button inputs via I2C, GPIO, PWM, and USART with real-time feedback.

- Managed version control and project collaboration using Git and GitHub across multiple

academic and personal projects.

- Created 3D mechanical part models in Solid Edge and performed assembly for part integration.

- Managed academic and extracurricular projects by organizing team roles, setting clear timelines, and translating feedback into actionable tasks while maintaining alignment with design or system requirements and stakeholder expectations.

Projects

University of Regina (Academic)

- Designed a Rube Goldberg machine based on a Canadian tourism theme, December 6, 2022: Collectively designed and communicated with team members to complete the project within given constraints.

- Designing a mechanical can crusher, April 6, 2023: Collaborated in a team environment to choose designs, prototype, and draw in 3D in Solid Edge.

- Designed the RegIndicator website UI, April 9, 2024: In a team project, created a WordPress-based site to visualize Regina's SDG metrics with year-over-year trends in a user-friendly interface.

- Developed a student assignment management portal, August 15, 2024: Co-developed a PHP-MySQL assignment portal with AJAX-based real-time updates using JSON and vanilla JavaScript.

- Built the GearShare web application, December 6, 2024: Developed a full-stack Model-View-Controller based web app with secure login, admin panel, and responsive design.

Independent

- Programmed Simon memory game, November 26, 2024: Individually built an STM32-based LED game with button input, timed rounds, and progressive difficulty.

- Designed a shift register-based display system, November 28, 2024: Used shift registers and a 7-segment display to visualize 4-bit input with externally generated control signals.

- Created gesture-based device controller, April 7, 2025: Designed an STM32 microcontroller using gesture and touch sensors with manual override and LED feedback.

Computer

• Software: VS Code, Keil uVision5, Solid Edge, PSpice, Vivado, Scopy

Communication and Team Work:

• Coordinated and contributed to team-based engineering and software projects, ensuring timely delivery through clear task division and active communication.

• Delivered well-structured reports and technical presentations, translating complex concepts into clear, actionable insights.

• Managed deadlines across multiple academic and extracurricular commitments, demonstrating strong organization and time management.

• Communicated effectively with team members and stakeholders to align technical decisions with project requirements and constraints.

WORK EXPERIENCE

Starbucks, 2223 Victoria Ave E**,** Regina, SK — *Barista*

April 2022 – PRESENT

• Prepared and served a variety of beverages and food items while maintaining quality standards.

• Operated the POS system for order-taking and cash handling as a cashier.

• Managed inventory restocking and assisted with product rotation.

• Provided fast, friendly customer service in a high-volume environment.

• Followed company standards and safety protocols to ensure cleanliness, food safety, and customer privacy.

Languages

- English

- Bengali

- Hindi

- Chakma

Interests

• Sports, Gaming, Drawing, 3D Designing, Photography, Cooking

REFERENCES

•**Pamela Kuffner**

Store Manager, Safeway Victoria Square
Regina, SK
Email: pamela.kuffner@sobeys.com | Contact: 306-789-3191

•**Marnell Gurango**

Co-Worker, Starbucks 2223 Victoria Ave E
Regina, SK
Contact: 639-999-1764