

# ROBINSON CAYRE

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## EDUCATION

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### McGill University

B. Eng. in Bioresource Engineering & Agronomy *GPA: 3.8*

Montréal, Canada  
Sep. 2019 - Dec 2023

### Lycée Albert Schweitzer

French Baccalaureate in Science *GPA: 17.02/20*

Paris, France  
Sep. 2015 - June 2019

## EXPERIENCE

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### BISOUS Collective & Techno Kisses

*Co-founder - www.bisouscollective.com / www.bisousticketing.com*

Montréal, CA  
October 2022 - Present

- Developed and managed event budgets, ensuring that all expenses were tracked and kept within budget constraints
- Booked and managed relationships with vendors, artists, event space rental companies, audio-visual providers, and other event service providers
- Managed event registration and ticketing processes, including the development of online ticket sales platforms and on-site registration systems as well as multiple websites for the collective
- Developed and executed event promotion and advertising campaigns, including social media, email, and print advertising as well as flyer design and artistic creativity.
- Assisted in the design and setup of event spaces, including stage setup, lighting, and audio-visual components
- Provided on-site event management, overseeing all event operations, troubleshooting issues, and ensuring the smooth and successful execution of events
- Evaluated event success and compiled post-event reports, including feedback from attendees and recommendations for future improvements
- Creating complex light fixtures and arrangements, laser mapping, DMX control, LED environments through SPI protocol

### McGill University

*Biomass Lab - Research Collaborator*

Montréal, CA  
May 2022 - Present

- Research projects on plant growth
- Collaboration with the Gardyn™ green wall company
- RaspberryPi, Arduino, electronics, sensors, Python

### NASA x Canadian Space Agency (CSA)

*Deep Space Food Challenge - InSpira Photobioreactor*

Montréal, CA  
February 2022 - December 2023

- Member of the semi-finalist team for the NASA Deep Space Food Challenge research project
- Conception, design, and testing of a photobioreactor for the production of nutritional algae in space
- 5-year project funded by the CSA:
  - <https://www.nasa.gov/press-release/nasa-announces-winners-of-deep-space-food-challenge>
  - <https://www.mcgill.ca/research/channels/news/deep-space-dine>

### City of Montréal - Botanical Garden

*Customer Service Representative*

Montréal, CA  
June 2021 - May 2022

- Greeting customers and ensuring high quality service
- Answering customer questions on the botanical garden and the plant collections
- Managing ticket counters and the garden's plant shop

### Bacchus Italian Restaurant

*Head Cook*

Sainte-Anne-de-Bellevue, CA  
June 2020 - August 2020

- Managing the kitchen and the staff
- Forming new employees
- Insuring a high-quality service throughout the day

- Uber** Montréal, CA  
*Delivery Courier* May 2020 - December 2023
- Delivering by car, bike, or walk customer orders
  - +1000 deliveries as of January 2022 & 4.9/5 rating
- Les Petites Sorcières** Paris, France  
*Waiter* January 2019 - March 2020
- Waiter in a renowned French restaurant
- Yam'Tcha Gourmet Restaurant** Paris, France  
*Cook & Waiter* July 2018 - August 2018
- Cooking fine asian cuisine and serving the customers
  - Managing the takeaway service
- RTL Radio Group** Paris, France  
*Intern* February 2015 - March 2015
- Observation internship at the French radio group RTL

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## SKILLS

French:	Fluent
Portuguese:	Spoken
German:	Spoken
DJ:	Known as MIC ROB! in the Montréal music scene Played for Crush, BISOUS and other collectives in Montréal.
Technology and Softwares:	MS Suite, Python, PHP, NextJs, Autocad, Adobe suite, LaTeX, OBS...
Electronics:	Raspberry Pi, Arduino, ESP32, WLED, ArtNet
Plants & Gardening:	Indoor & Outdoor growing of plants, Controlled Environments
Graphic Design:	Illustrator, Photoshop, Dimension My design portfolio: <a href="https://microb.my.canva.site">https://microb.my.canva.site</a>

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## PERSONAL PROJECTS

### **The Mushroom Project** *RPi, Electronics & Sensors*

- Mushroom Engineering Student Project aimed at sustainable mushroom cultivation
- Environmentally controlled box using Raspberry Pi and sensors
- Monitors and regulates temperature, humidity, and other important parameters
- Energy-efficient solution for mushroom growth
- Ideal growing environment for optimal growth and productivity
- Integrates technology and engineering to address real-world problems
- Demonstrates sustainable solution creation.

### **Hydroponic systems:** *Green wall & Clay Pebbles*

- Designing and building an efficient hydroponic system for tropical plant growth using expanded clay pebbles.
- Designing and building a 3m x 1m greenwall for tropical plants using hygrolon, a geotextile as the growing medium.

### **RGB Studio - LED and Scenography** *DMX, ArtNet, sACN, WLED, ESP32, SPi*

- Complex light fixture designs and setup for musical events in Montréal
- WS2812B and Neon fixtures control using ArtNet or WLED. Use of Resolume when using ArtNet
- LED Par and Laser beam installation and control through classic DMX
- Planning and design of scenography for events

**BisousTicketing** *HTML, CSS, Wordpress, SQL, WooCommerce, Elementor, Stripe* [www.bisousticketing.com](http://www.bisousticketing.com)  
 Started and ran BisousTicketing, a successful platform that makes buying event tickets easy and convenient, for both the promoter and the attendee.