

# Justin Flores

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## Education

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### B.Sc in Computer Science, Minor in Data Science

University of Calgary

September 2017 - June 2022

Calgary, AB

- GPA: 3.83/4.00; Dean's List (2018-2019 & 2019-2020)

## Technical Skills

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**Programming Languages:** JavaScript, Python, SQL, C/C++, Java, HTML/CSS, Bash

**Tools:** React, Node.js, Express.js, Flask, Git, Firebase, PostgreSQL, Linux, Docker, AWS

## Projects

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### Spotify Party

🐙 [github.com/justinf34/Spotify-Party](https://github.com/justinf34/Spotify-Party)

- Developed a web application that hosts lobbies for users to chat and listen to the same Spotify song by synchronizing audio playback across multiple clients on the same lobby.
- Reduced main server load and decrease delay by assigning user authentication to another server.
- **Technologies used:** React, Firebase, Socket.io, Node.js, Express.js, Spotify API

### UofC Course YouTube Playlist Compiler

🐙 [github.com/justinf34/Hackathon2020](https://github.com/justinf34/Hackathon2020)

- A web application that compiles a playlist of YouTube videos related to a U of C course. It parses a course's web page to find its key topics and use those topics to search for related YouTube videos.
- Reduced user wait times by designing a back-end that caches results of previous users.
- **Technologies used:** Javascript, HTML/CSS, Python, Flask, Firebase, AWS

### Clinic eBooking

🐙 [github.com/justinf34/eBooking](https://github.com/justinf34/eBooking)

- A web application for patients to book and manage their visits without the need of a receptionist.
- Improved system security by integrating a cookie-based authentication to identify the session owner. As well as hashed passwords and input sanitization to prevent SQL injection attacks.
- Designed, implemented, and tested a relational database and a back-end server to facilitate scheduling of appointments and handling user requests.
- **Technologies used:** Javascript, jQuery, HTML/CSS, AWS EC2, Node.js, Express.js

### Auto Garbage Sorter

🐙 [github.com/justinf34/Smart\\_Garbage\\_Frontend](https://github.com/justinf34/Smart_Garbage_Frontend)

- A mobile application that utilizes smartphone cameras and machine learning to classify recyclable and compostable waste products. Responsible for designing and developing the front-end component of the app.
- This project won \$100 in prizes at the Code The Change Hackathon. Donated to Doctors Without Borders.
- **Technologies used:** React Native, Expo

## Awards & Achievements

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- Participated in the First Year Scholars program for academically high-achieving incoming students.
- Member of the University of Calgary Competitive Programming Club.
- Received the *People's Choice Award* in the Code the Change Hackathon hosted by Benevity.