

# Rohit Kadhe

ELECTRICAL AND COMPUTER ENGINEERING STUDENT

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## Education

### University of Calgary

Calgary, Canada

ELECTRICAL ENGINEERING WITH COMPUTER ENGINEERING MINOR

April 2021 (Expected)

- **Relevant Courses:** Data Structures and Algorithms | Operating Systems | Principles of Software Development (OOP) | Embedded Systems | Digital Systems Design | Computer Organization

## Technical Skills

**Languages** Java | Kotlin | C++ | Python | C | C# | SQL | JavaScript | VHDL  
**Technologies** Git | Android | Jira | Microsoft Azure | JUnit | React.js | Express.js | Node.js | FPGA

## Work Experience

### Zephyr Sleep Technologies

Calgary, Canada

SOFTWARE DEVELOPMENT INTERN

June 2019 - March 2020

- Worked on the development of software used by thousands of patients to diagnose and perform Sleep apnea studies
- Worked on updating the legacy Windows 8.1 store app to work with the new API
- Redesigned the navigation logic of the Android App to fix life cycle related issues causing crashes
- Reduced risk of API release by developing a mechanism to allow developers to roll back to a previous API version
- Improved testing infrastructure of the Android App by introducing UI tests to the testing suite
- Performed numerous feature additions and bug fixes on Windows and Android applications

### YMCA

Calgary, Canada

CAMP COUNSELOR

June 2015 - August 2015

- Planned and coordinated play-based learning activities for kids of various ages
- Facilitated a safe and positive learning environment for summer campers

## Projects and Extracurriculars

### Music Transfer

Calgary, Canada

PERSONAL PROJECT

November 2020

- Created a webapp that allows users to easily transfer multiple playlists between Spotify accounts
- Implemented the Front-end application using React.js
- Built a Rest server using Node.js and Express.js

### Uofc Empty Course Seats Finder

Calgary, Canada

PERSONAL PROJECT

October 2020

- Automated the process of finding empty seats in courses at the University of Calgary using Python
- The tool allows users to check multiple courses at once making it easy to use

### University of Calgary Schulich Off-Road Team

Calgary, Canada

ELECTRICAL ENGINEERING TEAM MEMBER

September 2017 - September 2018

- Assisted our team which competed internationally against other teams
- Worked primarily with the electrical team but assisted the mechanical team with car assembly
- Worked on telemetry to acquire sensor data from the vehicle remotely using an Arduino

### CalgaryHacks

Calgary, Canada

HACKATHON

February 2018

- Developed a car safety system kit in a team of four using particle electron kit
- Setup the microcontroller to send data to a provided IoT cloud-based platform
- The kit reported engine temperature, speed and proximity alerts to an Android application
- It used temperature, accelerometer and distance sensors to report the alerts to the application