

# Sahal Sajeer Kalandan

University of Waterloo BMath Student

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## EXPERIENCE

### PERASO TECHNOLOGIES | AUTOMATION SOFTWARE DEVELOPER

Sept 2021 – Dec 2021 | Waterloo, Ontario

- Researched, designed and implemented host environment extension methodology using **NodeJS**
- Created and modified multitudes of Native Extensions written using QT Engine 5 architecture to ensure successful performance of 5G dongles and hosts, with implementation in **C++** and **Javascript**.
- Thoroughly tested different frameworks and builds of 5G dongles and hosts using WAF scripts

### SOLACE GLOBAL | ACCOUNTANT (VOLUNTEER)

Dec 2019 – Jan 2020 | Kerala, India

- Managed financial records, back-end accounting, invoicing, and transactions for over **50** accounts members
- Scheduled daily meetings and ensured zero conflicts

### IAAF WORLD CHAMPIONSHIPS | SALES ASSOCIATE (VOLUNTEER)

Sept 2019 – Oct 2019 | Doha, Qatar

- Managed over **11,800** ticket sales
- Demonstrated strong leadership skills while leading a team of **10** and ensuring efficient task delegation

## PROJECTS

### KINDKART 2021

- Chrome extension built using **HTML**, **CSS**, **JavaScript**, and **Google Firebase**, providing users with ethics reports on major online retail and exclusive coupon donations

### ENCOURAGE BOT 2021

- Discord Bot developed in **JavaScript** using **Discord.js** framework and **MySQL**
- Recognizes negative words from users and outputs encouraging statements using **ZenQuotes API**

### STUDIO GHIBLI FILM CATALOG 2021

- Website for Studio Ghibli film information created using **HTML**, **CSS**, and **JavaScript**
- Uses the **Studio Ghibli API** to carry out **XMLHttpRequests** to extract and output data

## SKILLS

### PROGRAMMING

Proficient:

Java • HTML/CSS • JavaScript  
Python

Experienced:

C • C++ •  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$   
JavaScript • R • Racket  
Shell

Familiar:

SQL • Assembly

### LIBRARIES/Frameworks

jQuery • Node.js • Jekyll •  
React

### TOOLS/PLATFORMS

Git • Gulp • Perforce • Jira  
Docker

## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR'S IN HONOURS

MATHEMATICS

Sept 2019 – Present | Waterloo, Ontario

Faculty of Mathematics

### AMERICAN SCHOOL OF DOHA

Aug 2008 – May 2020 | Doha, Qatar

Full AP Capstone Student

Cum. GPA: 3.85 / 4.0

## REFERENCES

Available upon request