

Sahal Sajeer Kalandan

University of Waterloo BMath Student

 sahalsajeer.github.io  25ohms  sahal-sajeer  ssajeer@uwaterloo.ca

EXPERIENCE

PERASO TECHNOLOGIES | AUTOMATION SOFTWARE DEVELOPER

Sept 2021 – Dec 2021 | Waterloo, Ontario

- Researched a **NodeJS** solution to refactor **C++** testing APIs, allowing for asynchronous testing which increased **host utilization** on tests by 4 times
- Created and improved reliability of drivers for **50+** 5G dongles and hosts, written using **Native Extensions** and **QT Engine 5**
- Identified **100+** vulnerabilities in different host frameworks and builds of 5G dongles 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

- Sold and processed over **11,800** tickets using Excel to managing financial data for the competition
- Led a team of **10** to manage a ticket stall during events

PROJECTS

KINDKART 2021

- Chrome extension built using **HTML**, **CSS**, **JavaScript**, and **Google Firebase**
- Provided 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

Java • HTML/CSS • JavaScript
• Python • C • C++ •
JavaScript • R • SQL • LaTeX

LIBRARIES/Frameworks

jQuery • Node.js • Jekyll •
React

TOOLS/PLATFORMS

Git • Gulp • Perforce • Jira
• Docker • Linux/Unix

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