Sahal Sajeer Kalandan

University of Waterloo BMath Student

🏠 sahalsajeer.github.io   🔘 25ohms   in sahal-sajeer   ✉ ssajeer@uwaterloo.ca

EXPERIENCE

FEELY CORP | FULLSTACK DEVELOPER
Sept 2022 – Dec 2022 | Waterloo, Ontario

- → Helped deploy a web application to enable distribution of local services using a stack of **NodeJS**, **Angular**, **TypeScript**, HTML/CSS and **PostgreSQL**
- → Designed custom login with **Facebook API** on TypeScript to help users register, login and change password. Styles were imported from templates designed on **Figma**
- → Implemented **Azure AD B2C** support to help securely store user information on Microsoft servers

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

ABOUT ME

3rd year Waterloo Math student with a specialization in **statistics**. Enjoys working with **data**, making **music** and **skateboarding**. Dislikes TikTok.

SKILLS

PROGRAMMING

Java • HTML/CSS • JavaScript • TypeScript • Python • C • C++ • JavaScript • R • SQL • PostgreSQL

LIBRARIES/FRAMEWORKS

jQuery • Node.js • Jekyll • React • Angular

TOOLS/PLATFORMS

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

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR'S IN HONOURS MATHEMATICS
Sept 2020 - Present | Waterloo, Ontatio
Faculty of Mathematics
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Relevant Courses:
Linear Algebra , Calculus 3, Applied Linear Models, Introduction to Combinatorics, Computational Statistics and Data Analysis (**in R**)

AMERICAN SCHOOL OF DOHA

Aug 2008 - May 2020 | Doha, Qatar
Full AP Capstone Student

REFERENCES

Available upon request