

# KUBER KHANNA

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## SUMMARY

- Excellent interpersonal, organizational and time management skills
- **C++, Python, Haskell, SQL**, , javascript, **Elm**, and **MATLAB**
- Extremely passionate about technology and constantly expanding my skill-set
- Proficient in the use of computers, including **Windows** and **MAC OS**
- Growing knowledge of **HTML, CSS, JavaScript**, and **React**
- Working knowledge of **regression, unit, black box** and **API** testing using **Postman**
- Well versed with **Agile** Methodology, **Git, Bash Scripting, Junit** testing, Adobe Photoshop, MAC troubleshooting

## PROJECTS

### Smart Card Management | C++

- Designed a project using **C++ Binary files** which allows passengers to use an **automated kiosk** to **add value** their **smart card**
- Developed functionalities to **update destination** and enable users to **search** for routes and schedules
- The project was appreciated by the Delhi Metro technical team

### BankSafe | C++

- Implemented an **online banking software** to facilitate the **automation** of registration, account history, transactions, including both deposits and withdrawals.
- Developed a **password validation** mechanism to further strengthen the security of the application
- Incorporated the knowledge of **object-oriented** programming to create **multiple users** and record the **data** in **binary** files

### Math Simulation | Haskell

- Developed various mathematical models to perform polynomial manipulation, integration for sphere using trapezoidal rule, and vector arithmetic by **recursion** in **Haskell**

### MakeChange | Python

- Implemented a greedy algorithm in **Python** to return the minimum number of coins of each denomination

## EXPERIENCE

### AKTC

Technical Support Specialist

- Tracked and maintained product turns (cables, vibrators etc.) and existing inventory levels by communicating with buyers and co-workers
- Responsible for issues relating to **software** or **hardware** troubleshooting both Windows and MAC
- Gained experience in the customer service field by contacting companies which improved my interpersonal skills

### CDLS

Community Development and Leadership Summit

- **Head** of the student organizing committee for an annual student exchange program, hosted schools from **25** different countries, responsible for the smooth running of all events for **10** days, which included field trips, discussions, boarding, and lodging

## AWARDS

### McHacks V

**Winner** of Deloitte Innovation challenge

### Bits and Bytes

- **President** of the computer club of my high school and responsible for organizing various computer events such as workshops, tutorials, as well as inter-school quiz competitions.

### SOF · SOF Cyber Olympiad

- Top **1** percentile, 65th International SOF Cyber Olympiad

### SOF · SOF Math Olympiad

- Top **1** percentile, 65th International SOF Math Olympiad

## EDUCATION

### McMaster University

Candidate for Bachelors of Applied Science Computer Science 2022

Relevant Courses: Computational Thinking (Haskell), Fundamentals of Programming (Python), Linear Algebra, Engineering Mathematics II