

# JISHAN SHARIF

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## SKILLS

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- Interested in backend development, systems design, algorithms and software engineering
- Worked with Go, Python, Haskell, Java, C, C++, JavaScript, HTML/CSS, Bash, Git

## EDUCATION

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### McMaster University

Sept '19 – Present

*Faculty of Engineering in Honours Computer Science (with Distinction)*

- Courses: Computer Science Practice and Experience
- Introduction to Computational Thinking

## PERSONAL PROJECTS

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### stack-calc

*git.io/JvWBV*

- Built an interactive, stack-based postfix calculator allowing users to perform any math operation
- Supported arbitrarily nested, VM-like computations by using a stack for the computation engine

### weather-station

*git.io/JvWBO*

- Designed a program to report current and future weather forecast based on location
- Leveraged the OpenWeather REST API to provide weather data

### word-counter

*git.io/JvWB3*

- Built a command-line utility to report words in the order of frequency for a given file
- Used arrays and hash-maps to efficiently store and compute results for large files

### todo-list

*git.io/JvWBZ*

- Authored a task-management application to show outstanding tasks, deadlines, and priorities

### lissajous

*git.io/JvWBG*

- Generated lissajous curves GIFs by stitching together several generated parametric curve plots

### universal-translator

- Authored a language translation module to efficiently translate text from one language to another
- Used dictionaries to translate individual words and phrases before stringing them together again

### checksummer

- Constructed a lightweight data integrity tool to verify if the file contents are uncorrupted

## EXTRA CURRICULARS

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### Al Noor Training Center

*Dubai, UAE*

- Volunteered at fundraisers to help provide services for children with special needs

### St. Mary's Catholic High

*Dubai, UAE*

- Actively volunteered for community service helping special need students

### Personal Tutor

*Dubai, UAE*

- Taught GCE Advanced Physics and Applied Mathematics to multiple students