Ahmed Abbas

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EDUCATION

McMaster University — Hamilton, ON
BASc, Computer Science (Co-op), Cumulative GPA: 3.81/4.00 — Sep. 2020–Present

- Relevant Coursework: Discrete Math, Intro to Software Design, Intro to Computational Thinking, Development Basics, Intro to Programming, Linear Algebra

SKILLS

- **Proficient:** JavaScript, Python, React, CSS, HTML
- **Familiar:** C, C++, Node.js, Express, MongoDB, Redux, jQuery, Haskell
- **Tools:** Git, Figma, Bash, Linux, FileZilla, Doxygen

PROJECTS

Sorting Algorithm Visualizer (in progress) | ⬀ Website, ⌑ Github — June 2021
React, CSS, HTML

- Planning on adding visualizations of bubble sort, insertion sort, selection sort, and quick sort
- Planning on implementing controls for the visualization speed and array size

Chat App | ⬀ Website, ⌑ Github — May 2021
Node.js, Express, MongoDB, jQuery, Pug(Jade), CSS

- A full-stack chat application with real-time client-server communication via Socket.io
- Used 13 npm packages to implement features including local authentication, OAuth, and password hashing

Sudoku Game & Solver | ⌑ Github — May 2021
Python

- Developed a UI to play sudoku, adding a feature to solve the entire board using a backtracking algorithm

Pomodoro Timer | ⬀ Website, ⌑ Github — May 2021
React, CSS, HTML

- Developed a clone of ⬀ Pomofocus.io, using React Hooks for effective state and component lifecycle management

ACTIVITIES

Competitive Programming — Remote
Codeforces — June 2021–Present

- Achieved a rating of 585 on ⬀ Codeforces.com after participating in 2 competitions and counting, using C++

Room To Read Toronto — Greater Toronto Area, ON
VP Outreach — Jan. 2021–Present

- Worked with a team of 3 outreach members and 7 other executives, participating in biweekly meetings
- Networked with 24 local organizations/clubs via Instagram, Zoom, or email, running social media collaborations
- Helped organize and run an event as a panelist to prepare incoming university students