

# TAREK NOUI

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## EDUCATION

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### Université de Montréal

Bachelor of Arts in Computer Science

Montreal

Jan. 2021 - Dec. 2023

Coursework: Data Structures, Algorithms, Software Engineering, Computer Architecture

## PROJECTS

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### Forum Web App

*MongoDB, Express, React, NodeJS*

- Developed a full stack web app that allows users to post CS tutorials, using MongoDB, Express, React and Node.js.
- Implemented JWT authentication and password hashing to protect data from unauthorized sources.
- Added functionality for persistent storage and server-client request handling.
- Used Materiel-UI to implement the UI.

### Spell Checker

*Java*

- Implemented a GUI app using the MVC pattern that allows users to choose a dictionary to spell check their input.
- Added functionality to determine the closest words from a dictionary of an incorrect word using the Levenshtein Distance allowing the user to replace a misspelled word.

### Roundtable App

*Java*

- Developed an App allowing users to create and edit articles while also giving administrators the ability to manage users by approving/deleting their articles or activating/suspending their accounts.
- Utilized JUnit for unit tests

### Online Portfolio

- Developed my personal portfolio using React

## WORK EXPERIENCE

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### Flight data analysis *Micro-WIL, April 2022*

Analysis and visualization of experimental data acquired from LESIAQ sensors using Python.

### Fundraising Direct *Call Agent, June 2021 - September 2021*

Fundraised for non-profit charities and for the 2021 LPC Electoral Campaign.

## TECHNICAL SKILLS

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Languages::	Java, Python, JavaScript, HTML/CSS, C/C++
Developer Tools::	Git, VS Code, IntelliJ, Eclipse, Ant
Frameworks:	React, NodeJS, Material-UI, JUnit
Stack:	MERN