

# Haifa Besrou

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## Technical Skills

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| <ul style="list-style-type: none"><li>• Python</li><li>• Oracle/SQL Server</li><li>• Database creation and management</li><li>• Network Protocols</li><li>• Angular, React.JS, JQuery</li><li>• Spring framework</li><li>• Postgresql</li></ul> | <ul style="list-style-type: none"><li>• Linux/CLI</li><li>• Android Studio</li><li>• UML modeling</li><li>• Github</li><li>• HTML/CSS/SCSS/TypeScript / Javascript</li><li>• JSON</li><li>• Docker</li><li>• Ruby</li></ul> | <ul style="list-style-type: none"><li>• Unity</li><li>• Java</li><li>• Firebase</li><li>• Unit testing (JUnit, Jasmine)</li><li>• Data structures</li><li>• Jira, Confluence</li><li>• Spring Boot</li><li>• .Net</li><li>• AWS</li></ul> | <ul style="list-style-type: none"><li>• API integration</li><li>• Php</li><li>• Data Visualization (PowerBI)</li><li>• .Net</li><li>• C++/C#</li><li>• GoLang</li><li>• Software micro services</li><li>• MongoDB</li></ul> |
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## Professional Experience

### University of Ottawa - Teaching assistant

Ottawa, ON. September 2022 - Current

- Conducted lab and tutorial session for SEG4505, Project management for Software engineering under Dr Fadi Malek.
- Planned the course material and practice questions for both the labs and tutorials, including lessons in the fundamental techniques of project management in software engineering and an introduction to the use of MS projects project management.
- Provided support and assistance to students and graded assignments and project reports.

### Government of Canada - QA Analyst

Ottawa, ON. March 2022 - September 2022

- Responsible for testing javascript applications designated for staff training to facilitate the platform migration. Which lead to using Brightspace as the main learning platform instead of using and maintaining 4 different platforms.
- Devised a series of quality metrics for testing. Which insured that all migrated courses were free of any critical bugs.
- Built designated unit tests using Jasmine in order to automate testing.
- Kept records of bugs and issues for future reference, and wrote reports and documentation.

### University of Ottawa - Web developer

Ottawa, ON. October 2021 - February 2022

- Was responsible for the creation and maintenance of faculty webpages on Drupal, a back-end framework for at least 13 percent of the top 10000 websites worldwide for web page management.
- Responsible for resolving web request tickets from clients and university staff.
- Created web applications using Javascript for looking up scholarships using filters.

### Government of Canada - IT Student Intern

Ottawa, ON. September 2020 - September 2021

- Created a web scraper to make an inventory of all SharePoint sites, reducing labor costs by 80 percent.
- Developed skills in SQL, front-end web development, MS SharePoint, and Power BI
- Integrated dynamic visuals using powerBI to SharePoint websites.
- Led a team of 4 students in the project of the Sharepoint migration from SharePoint on-prem to SharePoint online.

## Education

University of Ottawa

Bachelor in Software Engineering (Co-op), Cum Laude (7.2/10 GPA)

- Member of the TSAO, Tunisian student association of Ottawa
- Capstone Project: AR virtual tour of the campus app ([github](#)) ; uOttawa Live Tour. a navigation app that helps students explore the campus by taking them on an AR-guided tour. The app uses camera and location data to identify buildings, provide turn-by-turn directions, as well as highlight points of interest. The app is created on Unity and coded with C#, uses firebase as a dynamic database, Google's cloud anchors and AR core for the AR component, and is available for both iOS and Android devices.

## Languages

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| <ul style="list-style-type: none"><li>• English (Native)</li></ul> | <ul style="list-style-type: none"><li>• French (Native)</li></ul> | <ul style="list-style-type: none"><li>• Arabic (Native)</li></ul> |
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