

# JOSEPH EL-NOUNI

## Computer Engineering – University of Ottawa

### Contact



Gatineau, Quebec



[github.com/Jelno029/  
portfolio](https://github.com/Jelno029/portfolio)



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### About me

3<sup>rd</sup>-year Computer Engineering student with experience in hardware development, digital systems design and embedded programming. Seeking to leverage expertise in VHDL/Verilog, abilities for leadership and self-teaching, as well as a deep knowledge of computer systems in an internship position at your company.

### Skills

VHDL	● ● ● ● ○
Verilog	● ● ○ ○ ○
RTL Design	● ● ● ● ●
KiCAD	● ● ● ○ ○
Arduino/MCUs	● ● ● ○ ○
C/C++/Python	● ● ● ○ ○
Java (+ Android)	● ● ● ● ○
MATLAB/Octave	● ● ● ○ ○
3D Printing	● ● ○ ○ ○
IT/Computers	● ● ● ● ●
Documentation	● ● ● ● ●

### Education

#### B. Sc. Computer Engineering

University of Ottawa  
Ottawa, Ontario, Canada  
2020 – 2024

#### D.E.C. Electronics & I.T

CEGEP Heritage College  
Hull, Quebec, Canada  
2015 – 2018

### Project history

Winter 2023	<b>MIPS Processor</b> / University of Ottawa (WIP) <ul style="list-style-type: none"><li>Group of 2 students, Altera FPGA</li><li>Implemented 32-bit MIPS ISA in VHDL</li><li>Single- and Multi-cycle structures</li></ul>
Fall 2022	<b>UART Module</b> / University of Ottawa (WIP) <ul style="list-style-type: none"><li>Group of 3 students, from scratch</li><li>RTL-style VHDL, using Altera FPGA</li></ul>
Fall 2020	<b>AR Building Viewer</b> / University of Ottawa ( <a href="#">link</a> ) <ul style="list-style-type: none"><li>Group of 4 students, placed 3<sup>rd</sup></li><li>Created an AR building viewer App</li><li>Teamwork &amp; novel technology</li></ul>
Winter 2019	<b>Study-assisting Robot</b> / Concordia U. ( <a href="#">link</a> ) <ul style="list-style-type: none"><li>Solo project using Arduino and scraps</li><li>Robot implements “pomodoro” timer</li></ul>

Winter 2018	<b>V-GOR Gardening Robot</b> / CEGEP Heritage ( <a href="#">link</a> ) <ul style="list-style-type: none"><li>Complete project with proposal</li><li>Custom PCB, motor controls, sensors</li></ul>
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### Employment history

Summer 2022	<b>Animator</b> / CHSLD Ernest-Brisson / Gatineau, QC
F2020 → F2021	<b>Cashier</b> / Chenier et Freres / Hull, QC
Fall 2019	<b>Catering Server</b> / G&R à-votre-service/ Mtl, QC
Summer 2017	<b>IT Technical Agent</b> / Parks Canada / Hull, QC

\*Skill ranking: 1 = cursory knowledge with no practice; 5 = professional level of competency.

## About this resume

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- Made from the ground up using LibreOffice Writer.
- **This resume is non-exhaustive!** It was specially curated for Computer Engineering job positions. Significant competencies in Software Development & Electrical Engineering are thus not advertised here.
- **Documentation for projects is still a work in progress.** As of the present version (1.0) of this resume, documentation is spread accross multiple online repositories. Work is being done to transfer over to a single personal website.