

Zachary Pelletier

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Personal website : https://zpell057.github.io/Resume_CV/

Github : <https://github.com/zpell057>

I am a second-year student in electrical engineering and computing technology (double grad) at uOttawa. My passion for electronics and computer science alongside numerous projects in these fields gave me valuable experience in technical design across diverse genres. Through my determination and hard work ethic, I have become a highly valued worker by my peers and an academically performing student.

Projects (pictures and links available on my website)

- Wrote a series of small Python programs to automatically edit video compilations of songs referenced on a Wikipedia article using the YouTube API and Pandas
- Developed an image recognition program in Python to identify roller bearings in a collaborative project of five members (gng 1103)
- Built an Arduino-based game using a screen module and a custom-made controller made from re-purposed components among other Arduino projects
- Developed an Android game application in Java to practice arithmetic operations
- Developed my bilingual and reactive personal website using HTML, CSS and JavaScript.
- Built a triple phase manual electric generator and a current rectifier with a team of three students as part of my capstone project for my college diploma
- 3D modeling of several mechanical objects in Fusion 360 and OnShape such as a support for a headlamp, a gearbox and various parts of a pinball machine built in collaboration with my CÉGEP student club.

Professional experience

- I have worked in various summer jobs in the service industry for five years since 2019. Please inquire about specifics and references so that I can send you my full resume.

Education

- 2nd year student in BASc Electrical Engineering and BSc Computing Technology at uOttawa (double major)
 - CGPA for the first year : 9,73
 - Dean's Honour list for the 2023 fall semester
 - Dean's Honour list for the 2024 winter semester
- Collegial diploma in Natural Sciences at Cégep de l'Outaouais (2-year pre-university program) (2021 – 2023)
 - Local champion in the 2023 physics Olympiad from the Canadian Association of Physicists
 - Part of the multidisciplinary maker's student club "Créalab"