Noémie Arsenault

in noemiekarsenault ✉ n2arsena@gmail.com 💻 noemiearsenault.com

EXPERIENCE

Biomedical Engineering Services CHU de Québec | **Biomedical Engineer**
May 2021 – present

- Independently managed over 25 projects of a total value of over 20 million dollars in support of the *CHU de Québec and Centre Intégré de Cancérologie*
- Led a cross functional project with four well known high end medical and software companies to develop the first North American French software that pushes endoscopy procedure images to the Electronic Patient Files
- Reviewed and evaluated bids from medical equipment suppliers to select cost-effective and innovative technology
- Led strategic planning of medical equipment acquisitions, and assisted with establishing acquisition priorities
- Authored reports on current medical equipment and information technology trends in urology, ENT, neonatology, obstetrics, gynecology, pulmonology, and traumatology
- Consulted healthcare teams to assess their clinical and technical needs to best select appropriate medical equipment
- Advised hospital heads of departments on human factors associated with and limitations of medical devices, reducing decision time by 25%

University of Ottawa Student Cancer Foundation | **VP Marketing**
July 2020 – present

- Develop and manage all social media platforms and the website, as well as created all the marketing plans

Governor General's Residence | **Guide-Interpret**
April 2019 - May 2020 & December 2020 – March 2021

- Delivered over 300 one-hour tours of Rideau Hall, in French and English, to over 5,000 tourists and dignitaries
- Demonstrated teamwork skills by collaborating with a diverse team of 25 guides

Première Générale Gatineau | **Administrative Assistant**
June 2016 - September 2018

- Developed a new creative and innovative sorting algorithm using Acomba software to reduce search time by 33% and risk of losing client and stakeholder information files
- Managed budgets and company expenses by using the Acomba software and Microsoft Office Suite

PROJECTS

Vaccify | **Leader of the Iterative Design Framework**
February 2020

- Designed an innovative Covid-19 vaccine transport container to ensure secure shipping and appropriate storage of vaccines.
- Created in response to vaccine distribution challenges using Fusion360.

RailWays | **Leader of the Iterative Design Framework**
September 2020 - December 2020

- Designed a scale for people with incomplete paraplegia to measure their body mass accurately and safely without requiring any assistance

3-D Model Design | **Developer and Designer**
September 2020 - present

- Building various complex structures in SolidWorks and evaluating tolerances before 3-D printing (e.g., a mount for a Stryker stretcher for interhospital transfer for the neonatal department)

SKILLS

Languages
French (Native) and English (Native)

Programming Languages
.Net/C#, Python, Java, VHDL, C++

Technologies & Engineering
Agile/Scrum framework, Iterative Design Framework, Autodesk Sketchbook, Figma, SolidWorks/Fusion 360, Technical Drawing, 3-D printing, Git/Github, Microsoft Office Suite

LEADERSHIP

Academic Representative
September 2020 - present

- Elected to represent a cohort of over 100 biomedical engineering students.
- Meet with faculty and administration to petition student requests and detailed action plans.
- Developed an academic success program.

Technical Representative
September 2021 – present

- Represent the virtual learning needs of 32 students

AWARDS

Academic Excellence Scholarship, University of Ottawa (2018 to 2020)

Dean's Honours List, University of Ottawa (2018 to 2020)

Victor Linis scholarship in Mathematics, University of Ottawa (2019)

Recipient of the Governor General's Academic Medal, Collège St-Joseph de Hull (2019)

EDUCATION

Honours BASc. Biomedical Engineering & Co-op
University of Waterloo
Anticipated Graduation in 2025
3.94/4.0 GPA

Honours BSc. in Biomedical Science/Mathematics
University of Ottawa
September 2018 to April 2020
9.62/10.0 GPA