Claire Villanueva

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EDUCATION

Bachelor of Software Engineering, Co-op Option   **September 2021-Present**
Carleton University, Ottawa, ON
- Second year standing, CGPA: 10.21/12 (A)
- Henry Marshall Tory Scholarship
- Golden Key International Honour Society
- Expected Graduation Date: April 2026

AVAILABILITY
Available for 4 months beginning May 2023

RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS
Technical Skills
- Applied GUIs and Object-Oriented Programming in JavaFX to replicate a virtual version of the game, Battleship
- Programmed using HTML, CSS, and JavaScript with the knowledge of CSS containers as well as HTML id and class attributes to design a website that calculates final grades
- Wrote a dataset analyzer program using Python to organize CSV files into readable outputs using sorting algorithms and retrieved specific data using functions containing tuples and sets
- Demonstrated analytical skills by developing test cases in code to ensure the functionality of each program performs to its optimal potential

Communication Skills
- Clearly presented an engineering design process that included project economics and conceptual design by writing a formal report and creating a video presentation to a non-technical audience
- Collaborated with four team members to design trusses which will support the roof of a hockey arena using forces calculations and engineering drawings of the internal forces on the truss
- Fluent in English: oral, written, reading
- Beginner in French: oral, written, reading

WORK EXPERIENCE
Front Desk Agent   **April 2022-Present**
Wingate by Wyndham Hotel, Kanata, Ontario
- Use hotel software, SynXis, to check in/check out guests and create reservations
- Work independently in a fast-paced environment and multitask efficiently when handling guests at the front desk as well as over the phone
- Protect clients by enforcing strict precautions when others ask for confidential information about guests such as room numbers, address, and room key distribution

Sales Associate   **April 2021-April 2022**
Home Hardware, Kanata, Ontario
- Stimulated sales by encouraging products to customers with the assistance of ample knowledge about tools and other items
- Handled customer complaints and concerns with sympathy and devised a compromise by fulfilling refunds or store credit
- Managed time effectively by ensuring all tasks such as stocking shelves, time at the cash register, and attending to customers are completed throughout the shift

APPLIED PROJECTS
Team Leader   **September 2021-December 2021**
Tool Design Project
- Reverse engineered a Keurig using Autodesk Fusion 360 and hand sketched drawings that featured different aspects such as component, assembly, and isometric views
- Utilized written communication skills to formulate a final report which consisted of all drawing, photo, and virtual deliverables of the project tool as well as explanations of the design scope
- Allocated equal and fair roles for the team to complete tasks and deliverables according to schedule by formulating deadlines and incorporating each member's judgement

Individual Developer   **November 2020–January 2021**
Battleship Game Design
- Planned a detailed schedule using a Gantt chart that consisted of strict deadlines for each deliverable and specified how long each section of code should take
- Developed a presentation on Google Slides for the design process of coding the replication of the Battleship game to a non-technical audience
- Used Java and JavaFX to create the interface of the virtual version of Battleship with the knowledge of 2D arrays, GUIs, and Object-Oriented Programming

VOLUNTEER EXPERIENCE/ EXTRA-CURRICULAR ACTIVITIES
Academy Member   **September 2022-Present**
Golden Key International Honour Society
- Network with fellow members by joining online events that connect with others internationally who are in similar fields
- Research services and manage time to complete tasks that provide benefits such as scholarships, rewards, and other academic opportunities

RECORD OF GRADES

Claire Villanueva

Bachelor of Software Engineering, Second Year Standing
Carleton University

Cumulative Grade Point Average: 10.21/12 (A)
Number of Academic (4 month) Terms Completed: 3
Co-op (4 Month) Work Terms Completed: 0
Graduation Date: April 2026

Course Number	Course Name	Letter Grade
Year One:		
BIOL 1902	Natural History	A+
CHEM 1011	Chemistry for Engineering Students	A+
ECOR 1045	Statics	SAT
ECOR 1046	Mechanics	A+
ECOR 1047	Visual Communication	SAT
ECOR 1048	Dynamics	A
ECOR 1055	Introduction to Engineering Disciplines I	SAT
ECOR 1057	Engineering Profession	SAT
MATH 1004	Calculus for Engineering or Physics	A
ECOR 1041	Computation and Programming	A-
ECOR 1042	Data Management	A+
ECOR 1043	Circuits	A-
ECOR 1044	Mechatronics	B+
ECOR 1056	Introduction to Engineering Disciplines II	SAT
HIST 2707	Modern Africa	A
MATH 1104	Linear Algebra for Engineering or Science	A+
PHYS 1004	Introductory Electromagnetism and Wave Motion	A-
Year Two:		
SYSC 2310	Introduction to Digital Systems	A
SYSC 2006	Foundations of Imperative Programming	C
ELEC 2501	Circuits and Signals	C+
MATH 1005	Differential Equations and Infinite Series for Engineering or Physics	B+
COMP 1805	Discrete Structures	A+
CCDP 2100	Communication Skills for Engineering Students	In Progress
SYSC 2004	Object-Oriented Software Development	In Progress
SYSC 2320	Introduction to Computer Organization and Architecture	In Progress
COMP 2804	Discrete Structures II	In Progress
SYSC 2100	Algorithms and Data Structures	In Progress