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

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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