

# Gerardo Garcia de Leon

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## EDUCATION

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**Bachelor of Science, Software Engineering,**  
Schulich School of Engineering, University of Calgary

*Expected December 2026*  
Current GPA: 3.4 (4.0 scale)

**Exchange Program**  
Universidad Carlos III Madrid, Madrid, Spain

Sep 2023 - May 2024

## SKILLS

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### Computer:

- Languages: C/C++, Python, Assembly, Java, JavaScript, HTML, CSS
- Relational/non-relational database skills such as MySQL/PostgreSQL and MongoDB
- Knowledgeable in version control systems such as Git/GitHub
- Exceptional at data structures and algorithms
- Understanding of AI and Machine Learning (Both Linear/Non-Linear models)
- Experience with computer hardware (Construction)

### Other Skills:

- Exceptional verbal and written communication abilities in Spanish, English and French
- Outstanding mathematical capabilities (Calculus, Trigonometry, Linear Algebra, etc.)
- Effective, collaborative and supportive while working in a team environment
- Meticulous attention to detail in project execution and management
- Highly dedicated and persistent in completion of a task with a strong work ethic
- Ability to quickly adapt to a changing environment

## ACADEMIC PROJECTS

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### Redesigned Flappy Bird Video Game

March 2023 - April 2023

- Lead software developer of a team of 4 tasked with writing the code for the project
- Recreated the famous Flappy Bird game in Arduino IDE
- Tested and took initiative in troubleshooting to achieve a functional final product
- Wrote 80% of the code used in the final project (C language)

### Movie Theatre Booking Application

Nov 2024 – Dec 2024

- Created a movie theatre reservation app allowing customers to purchase tickets
- Implemented a fully functional GUI to allow a visual representation of booked seats
- Written in Java and some C++

### Automated Planter Box Irrigation System

Jan 2023 – Feb 2023

- Programmed an irrigation system for a custom-built planter box
- Worked on timer/solar based logic to detect watering conditions
- Written in C

## AWARDS

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### Engineering Student Society Hack-A-Thon (First place)

Given a prompt and had to invent a unique and creative solution in 6 hours

### Western Engineering Competition (Top 5)

Circle optimization on a defined area to minimize cost and maximize coverage