**Gerardo Garcia de Leon**

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# EDUCATION

**Bachelor of Science, Software Engineering,** *Expected December 2026*

Schulich School of Engineering, University of Calgary

# INTERNSHIP

Available May 1, 2025, seeking 4, 8, 12 or 16 month internship

# SKILLS

**Computer:**

* Ability to code in C, C++, Python, Java, JavaScript, HTML, CSS
* Relational/non-relational database skills, mainly MySQL/MongoDB
* Version control systems such as Git/GitHub
* Embedded Systems, mainly PIC24 in MPLab, Arduino
* Windows and Linux operating systems and virtual machines (VMs)

**Soft 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

# ACADEMIC PROJECTS

**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

**Automated Planter Box** January 2023 – February 2023

* Designed a planter box using Prusa Slicer 3D printer
* Coded an automated watering system to ensure plant received necessary hydration

# AWARDS

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

* Given a prompt and had to invent a unique solution in 6 hours
* Used MySQL for database and JavaScript for front-end