# Jorge Macías Gómez

jorgemacias@ciencias.unam.mx          +52 1 555105 - 0302          https://github.com/UlmoMacias

## EDUCATION

**Universidad Nacional Autonoma de México, UNAM**                Graduating in December 2020
*Bachelor of Science in Computer Science*                                                    *8.4/10*

## RESEARCH EXPERIENCE

**California, USA**
*University of California, San Diego.*                                                *June 2018-Aug 2018*
- Made a research internship at University of California, San Diego, UCSD, under the supervisor of Dr. Vineet Bafna and Dr. Nam Nguyen, where I work with DNA CSV data files, trying to look for patterns and cycles on oncogenes, searching for overlapping DNA intervals to find genes on certain structures on Python.

## WORK EXPERIENCE

**TOGA Soluciones.**                                                                            **2019**
*Worked with back-end and front-end of a call center web page wich is an interface of VICI-Dial with additions.*

- Worked with back-end using VICI-Dial.
- Worked with front-end using PHP, Laravel, Javascript.

**ISSABEL.**                                                                                    **2019**
*Worked with back-end and front-end of ISSABEL CLOUD which is a call center on cloud.*

- Worked with back-end using Ruby and ISSABEL.
- Worked with front-end using Rails, Javascript and HTML.

**UNIVERSUM Museum of science, UNAM.**                                          **2019**
*Worked as 'anfitrion' of Universum.*

- Worked as guide, organizing activities, attending scholar groups.

## MAJOR PROJECTS

**Tetris and Game of Life**                                                              Oct 2016
*Game of life follow John Conway's rules and a playable Tetris.*

- Designed and developed using Java.

**Steganography using LSB method.**                                              Nov 2017
*Program in Java that encrypts an image using LSB (Less Significant Bit).*
- Encrypts an image using Less Significant Bit.

**Shamir Secret Sharing Scheme.**                                                Dec 2017
*Encrypts a text using a password.*
- Implemented using Java, security and crypto.
- It uses Polynomial interpolation.

## SKILLS

**PROGRAMMING LANGUAGES**

3 years:     Java.
2 years:     Haskell, Python, C, Prolog, JavaScript, C++, TeX,Ruby,HTML,CSS.

**Languages**

Advanced English (CAE).
Basic German(A1)

**FRAMEWORKS**

HTML, CSS, Git, GitHub VirtualBox, Unix/Bash, Root Tools on Android, Arduino, Laravel, Ajax, Rails, PHP, SQL, SQLite, MySQL.

**GENERAL BUSINESS SKILLS**

Good presentation skills, Works well in a team, leader, good social skills, smooth-talking sales, entrepreneur, creative.