Moroni SILVERIO-FLORES

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uhunt.onlinejudge.org/u/Silverutm
github.com/Silverutm
stackoverflow.com/users/7392144

EDUCATION

Universidad Nacional Autónoma de México   December 2016
Bachelor of Applied Mathematics and Computing   *GPA 9.06/10*

WORK EXPERIENCE

ICPC Mexico Region   Mexico
Problem setter and judge, voluntary work.   September 2018 – Present

- Created 11 out of 33 problems used in 3 stages of the ICPC Mexico programming contests.
- Proposed alternative solutions to problems created by other judges.
- Invited to propose problems for the Latin America regional contest to be held in November 2019.

Universidad Nacional Autónoma de México   Naucalpan, Mexico
Competitive programming coach   January 2017 – December 2018

- Created an online judge (juezguapa.com) which automatically evaluates solutions made in C/C++, Java and Python.
- Prepared the Faculty teams which participated in the ICPC (29th place in 2017 and 23th place in 2018, Mexico Region) and other programming contests.
- Taught a major subject (Data Structures) to Faculty students.

MAJOR PROJECTS

LARC SEK RESCUE (Laboratory of algorithms for robotics)   2015
A pair of ev3 Lego robots which rescued humanoids made of polystyrene

- The robots were programmed using RobotC, C++ and .NET (for metaprogramming).
- Led the team to win the first place at the Mexican Contest of Robotics(TMR).
- The robots used Graph Theory and Dynamic Programming in order to rescue the humanoids.

Algorithms Club   2013-2016
A group of students who participate in the ACM-ICPC Regional Contests.

- Organized internal programming contests for the faculty.
- Leader of the Club in 2016.

Smart House   2014
Implemented an Arduino Uno to control the power of my apartment

- Using Bluetooth could turn on and off the lights in my apartment from my smartphone.
- Installed a motion sensor in the bathroom.

SKILLS

PROGRAMMING LANGUAGES

7 years:	.NET
6 years:	C/C++,
4 years:	Java
3 years:	Python, PHP, JavaScript
6 months:	MATLAB

TECHNOLOGIES

HTML, CSS, JQuery, node.js, SQL, MongoDB (NoSQL), Git, VirtualBox, Cygwin, Unix/Bash, Docker, OpenMP, Pthreads, mpi, MeteorJS, R.

AWARDS

All problems solved Advent of Code 2018
23th Place Team ACM ICPC Mexico and Central America Programming Contest (2016)
First Place Team at Second Programming Contest, Science Faculty UNAM (2016)
2nd Place Team at Microsoft College Code Competition (2016)
4th Place Team Latin American Robotics Competition SEK, Mexican Contest of Robotics (2016)
First Place Team Latin American Robotics Competition SEK, Mexican Contest of Robotics (2015)
3rd Place International Logic Olympiad (2015)
19th Place Team ACM ICPC Mexico Occident and Pacific Programming Contest (2013)

ONLINE COURSES

Machine Learning (Stanford University, 2019)
Responsive Website Development and Design Specialization (University of London, 2017)