Gabriel Tadeo Vázqiez Ballesteros

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EDUCATION

Mathematics Research Center (CIMAT)   August 2018–July 2020
MSc in Computer Science and Industrial Mathematics.   *Average 9.3/10*

Metropolitan Autonomous University (UAM)   August 2013–July 2018
Bachelor in Computer Science.
*Thesis: "**Graph Coloring**"*   *Average 9.5/10*

WORK EXPERIENCE

Freelance   México, Distrito Federal
Developed Assistant for Dentist that supported   August 2017 – December 2017
- Manage appointments
- Manage inventory
- Manage income

Teaching Assistant at UAM   México, Distrito Federal
                                                                  January 2018– July 2018

I supported the students by grading and teaching in the following courses: "*Introduction to Programming*".
"*Object-oriented programming*", "*Analysis and Designed of Algorithms*", "*Concurrent Programming*", "*Linear Algebra*",
"*Differential Calculus*" and "*Integral Calculus*".

MAJOR PROJECTS

Data Visualization Project in "EcoBici Mexico City"   2018
Through statistical methods using data set of EcoBici, I obtained relevant information about this set and could predict future behaviors using R.

Summer technological project under the direction of PhD. Carlos Segura González   2019
We developed a Evolutionary Algorithm for Constrained Optimization to improve the state of the art using C++ and parallelization with CUDA.

Genetic Programming to Epidural Administration   2019
We developed an algorithm which finds a function to know the distance from the skin to the epidural space using C++ (possible publication) .

Paper : "Differential Evolution with Explicit Control of Diversity for Constrained Optimization"   2020
We developed a evolutionary algorithm for constrained optimization improving the state of the art using C++.

SKILLS

PROGRAMMING LANGUAGES   **TECHNOLOGIES**
6 years: C/C++   CUDA, MPI, OpenMP, SQL, Git
3 years: Java, Python
1 year: R

AWARDS   **COURSES**
Computing University Merit Medal (UAM)   3rd Evolutionary Computing School (CIMAT 2018)
                                                 2nd Workshop in Algorithms and Data Structures (Cimat 2019)
                                                 4th Evolutionary Computing School (CIMAT 2018)