Oscar Andrés Rosas Hernandez

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💙 Skills and Abilities

- Deep understanding of modern **C++ *(11/14)*** and **C**, especially for competitive programming *(using the STL)*
- General knowledge of **Java** and **Kotlin**, also capable of creating apps for android *(UNAM Mobile course)*
- Competent in **Dart** / **Flutter SDK**. Use it to create cross-platform apps following **Material Design** guidelines
- Great at web technologies: **HTML 5 & CSS3** and back-end languages like **PHP 7** and **Python** *(using Flask)*
- Expert in many modern **JavaScript (ES6)** technologies especially around the **React** library
- Know and love to work in the **object oriented** & **functional** paradigm and using the **reactive programming** ideas
- Work with **LaTeX,** primarily in the creation of math and computer science documents
- Comfortable working with a team using version control (**Git - GitHub**)
- Capable to work in **Windows**, **GNU/Linux** and **MacOS**
- **B2 English** certification by ESCOM IPN and KET certification by Cambridge in the British Council

👍 Projects and Achievements

- **Creator of a WordPress math and algorithms blog** / project with ≈ 40, 000 views this year called **CompilandoConocimiento.com and author of 5 little books** in LaTeX for Number Theory, Complex Analysis Discrete Math, Basic Statistics and Linear Algebra which have been downloaded ≈ 3,000 times
- Create a simple web (using **React)** point of sale system to administer the local business of my family
- Participation in the **ACM-ICPC** "Gran Premio de Mexico & Centroamerica 2017", 183 place of 404 teams
- **Third place** in the 2018 **annual programming contest** "Donald Knuth" at **ESCOM IPN** University
- **Flutter certification** by the GDG UNAM (Google Development Group UNAM)

💼 Work Experience

UNAM / Web Maintainer   *2016-17, Faculty of Architecture CU / UNAM*

Maintained, updated and rewrote (part) of the codebase from the student's site of the architecture webpage using **PHP, HTML**, some *little* **JavaScript (JQuery)** and **PostgreSQL** also I fixed occasionally hardware problems with the servers. Contact: rodrigo@unam.mx

Centro Escolar Acozac / Auxiliar Teacher   *2014-15, Acozac, México State*

Auxiliar math professor in a private group of 10 students at at CEA Junior High. Contact: eherreracarrillo@gmail.com

💼 Education

UNAM - Faculty of Science/ Bachelor's degree in Computer Science   *2017-2022*
Freshman, learning about the theoretical part of computer science and especially learning hardcore math: calculus, number theory, graph theory, set theory, algorithms analysis and numerical analysis

IPN - ESCOM / Bachelor's degree in Computer Systems   *2016-2020*
Top ranked student at for 5 consecutive semesters, 9.2-10. ACM Student Chapter of the ESCOM-IPN participant (better known as "Club de Algoritmia ESCOM") for the last 4 semesters.

IPN - CECyT 9 / Technical career in Digital Systems   *2013-2016*
During my high school years I did a technical career in digital systems where I learned about microcontrollers, basic digital and analog electronics and low level programming in C and assembly