Erick Hernandez Navarrete, Spanish Nationality (ID oficial)
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https://github.com/Erickdrakus93/

Mathematics, Theoretical Computation and its implementation in the real world
My aim is to be involved in all stages of the workflow from specification to coding.

Education

2007-2010	High School in Programming. **CECY'T 4 'Lazaro Cardenas del Rio' IPN Mexico.**
2011-2015	Bachelor of Mathematics. **Faculty of Sciencies,UNAM, Mexico.**
2016-Present	Master in Theoretical Computation and Mathematics. **IMATE, IIMAS UNAM** .

Work Experience

2015-2019 Assistant profesor at **Faculty of Sciencies,UNAM**, **Mexico**.

2018-Present Quantitative Research in finance world(ETF stocks universe) and backend development at **Inteligencia Capital**, **Mexico**. Development models and Coding for:

Proyect Robo-advisor: **Finbitz**
- Optimize Inversion ETF's stock Portfolios
- Inner APIs, created using the library Flask
- Managing and Maintenance of Financial Data in SQL formats as Inputs in the Models.

Coding a machine learning models for **CFE** proyect.

- Creating analytics and developing machine learning models for time series.

- Using TensorFlow and python as building blocks technology.

- Predecting some analytics for better making decisions.

- Optimize some issues, having as inputs data sets provided for CFE.

University Experience

2015- 2016	Academic Project on Economy, Econometrics, Econophysics for financial Analysis with Dr.Ricardo Lino Mansilla Corona, UNAM.
2017- 2018	Academic Project in Models used in High Frequency Trading with Dr.Ricardo Lino Mansilla Corona, UNAM.
2019-present	Research Project in The bridge Between the Turing Machine Model and the Distributed Computing, UNAM.

Skills

Design of Algorithms	Design algorithms using some paradigms from basic to advance as dynamic programming or Greedy.
Data structures	From basic containers to advance data structures as dynamic sets or blockchains for example.
ProgrammingLanguages	C, C++, Lisp, Python and in genereal some imperative Lenguages to develop in Functional and OO Paradigms; SQL languages for managing and Maintenance data.
Software	: Linux Ubuntu, Linux Debian, Docker, Git,AWS
Web Development	Frameworks and Lenguages in the context of Document Object Model as:

- HTML
- Javascript
- PHP
- Jinja Templates

Statistics:

- Inference Statistics.
- Descriptive statistics.
- Time Series and lineal Regression.

Languages **Spanish:** mother tongue.
English: Regular fluent.
French: Little.
Worked in an international environment.