

Emerson León

Mathematician doing Programming, Visualization and Data Science

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EXPERIENCE

EL CYBORG CHAMÁN | SOFTWARE DEVELOPMENT

June 2022 – July 2023 | Bogotá, Colombia

- We created a webpage with artificial intelligence to create stories, using GPT-3 technology from OpenAI
- Skills: Machine Learning · Computational Geometry · Teaching · Education · Django · Linux · Web Development · SQLAlchemy · HTML · Mathematical Modeling · Programming Languages · JavaScript Libraries · Data Analysis · Relational Databases · Cascading Style Sheets (CSS) · Flask · python · OpenAI · Artificial Intelligence (AI) · Three.js

UNIVERSIDAD DE LOS ANDES | POSTDOCTORAL RESEARCHER | MATH PROFESSOR

July 2015 – June 2017 | Bogotá, Colombia

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin ullamcorper venenatis nisi at suscipit. Vestibulum vel odio in diam ultrices posuere. Cras suscipit faucibus ullamcorper.
- Ut consectetur tempus tincidunt. Curabitur in felis et leo elementum facilisis at non metus. Vestibulum et ullamcorper augue, nec accumsan tellus.
- Cras posuere in nunc vel sagittis. Aliquam aliquet non orci id pellentesque. Nulla gravida lectus quis tellus rhoncus rhoncus.

PUBLICATIONS

CHESS ENGINE | C++

2018

- Combinatorial Relationship Between Finite Fields and Fixed Points of Functions Going Up and Down, Emerson León, Julián Pulido, <https://arxiv.org/abs/2111.13745>), preprint, 2021

SPEECH-ENABLED CHATBOT | C#, MICROSOFT BOT FRAMEWORK

2018

- Binomial Inequalities of Chromatic, Flow, and Ehrhart Polynomials, Matthias Beck, Emerson León, Discrete & Computational Geometry, 2021, **66**, no. 2, 464–474, 2021. <https://arxiv.org/abs/1804.00208>.
- Spaces of Convex n -Partitions, Emerson León, Günter Ziegler, “New trends in Intuitive Geometry”, G. Ambrus, I. Bárány, K. J. Böröczky, G. Fejes Tóth, J. Pach, eds., Bolyai Society Mathematical Studies series, 27. Springer, Berlin Heidelberg. p. 279–306, 2018. <https://arxiv.org/abs/1511.02904>.

SKILLS

PROGRAMMING

Proficient:

C# · C · JavaScript · Python
SQL · CSS · HTML ·

Experienced:

Python · L^AT_EX · C++

Familiar:

Java · Shell · Assembly

LIBRARIES/Frameworks

jQuery · Node.js · Jekyll ·
React

TOOLS/PLATFORMS

Git · Gulp · Webpack · Heroku
Wordpress · Docker

EDUCATION

FREIE UNIVERSITÄT, BERLIN

DOCTOR RER. NAT. MATHEMATICS

Jan 2007 | Feb 2015

Diskrete Geometrie
Berlin Mathematical School
advisor: Günter M. Ziegler

UNIVERSIDAD NACIONAL DE COLOMBIA, BOGOTÁ

BACHELOR'S IN MATHEMATICS

Jul 2001 | Sep 2006

School of Computing

REFERENCES

Luis Serrano, Senior Software Developer, Tyrell Corp

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Nelly Villamizar, Senior Software Developer, Primattech

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