

Esteban Rodríguez Betancourt

Areas of Interest

Programming languages and computing paradigms. Database internals, distributed systems. Develop new solutions to problems using algorithms and data structures. Machine learning.

Education

- 2018–in progress **Master's Degree in Computing and Informatics**, *Universidad de Costa Rica*, San José, Costa Rica.
Taken courses like Natural Language Processing, Machine Learning, Information Retrieval and Software Security.
- 2012–2014 **BS. in Computing and Informatics**, *Universidad de Costa Rica*, San José, Costa Rica.
- 2008–2011 **Computing Engineering**, *Instituto Tecnológico de Costa Rica*, Cartago, Costa Rica.
Completed 94/144 credits towards Computing Engineering. Including courses like Computing Languages, Compilers and Interpreters, Information Visualization, Geographic Information Systems, etc.

Education (others)

- 2018 January – 2018 May **Artificial Intelligence Nanodegree**, *Udacity*.
- 2017 November – 2018 March **Deep Learning Nanodegree**, *Udacity*.

Experience

- Jul 2020–Now **Software Developer Engineer 2**, *Amazon*, Costa Rica.
- Jul 2015–Jul 2020 **Systems/Software Engineer**, *Hewlett Packard Enterprise Networking*, Costa Rica.
Worked at several teams, including: *Port Blocking, Profiling, L3, BFD, Linux/Yocto, Counters/Statistics, OVSDB*. Used C, C++, Python, Go, Bash, Coccinelle. Several patches accepted by Open vSwitch community.
- I Semester, 2015 **Assistant for Computational Paradigms course**, *ECCL, UCR*, Costa Rica.
- Feb 2013–Jun 2015 **Assistant at Geophysical Research Center (CIGEFI)**, *UCR*, Costa Rica.
Development of tools for processing and analysis of several TB of meteorological data using Go, Python, BASH, Matlab, C, Fortran and others. Data visualization (HTML 5, AngularJS, Matplotlib), GIS (QGIS). These programs were executed distributed in CIGEFI's cluster.
- 2008 **Tutor for Costa Rican Math Olympiad (OLCOMA)**, *Colegio Monterrey*, Montes de Oca, Costa Rica.

Achievements and Participations

- 2019 **2019 XLV Latin American Computing Conference**, *Universidad de Costa Rica*, Panama.
Paper on “Deep Neural Network Comparison for Spanish Tweets Polarity Classification “. DOI: 10.1109/CLEI47609.2019.235083.
- 2018 **II Costa Rican Colloquium on Natural Language Processing**, *Universidad de Costa Rica*, Costa Rica.
Paper on “Comparison of three deep neural networks models for polarity classification of Tweets in Spanish”.
- 2014 **Programming Contest V “Símbolo”**, *Universidad de Costa Rica*, Costa Rica.
- 2010 **ACM International Collegiate Programming Contest, Mexico & Central America**, Querétaro, México.
Honorific Mention.
- 2004–2007 **Participation at Costa Rica Math Olympics (OLCOMA)**, Costa Rica.
Level C Bronze Medal (2007), Level B Gold Medal (2006)
- 2001–2002 **Participation at Costa Rican Primary Education Mathematics Olympics (OMCEP)**, Costa Rica.
Silver medal (2002).

Skills

- Platforms** Linux, Windows. Experience with Linux Yocto and Bitbake.
- Languages** C, Go, Python, Javascript, Java, Scheme (Racket).
- Other languages** I have also used C++, C#, PHP, Ruby, LISP, Bash, ASM (AVR, PIC, x86), SQL, Scala, Logo (NetLogo, FMSLogo), Visual Basic, Standard ML, Haskell, ActionScript, Pascal, Prolog, Matlab, R, etc.
- Other** MapReduce with Hadoop and Spark. Arduino. GDB, Valgrind, Callgrind. Coccinelle. TensorFlow and Keras. Git.

Languages

- Spanish** Native
- English** High School at Colegio Monterrey and career courses at ITCR and UCR.

Others

- 2014–2015 **Member of the ECCI Students Association**, ECCI, UCR, San José.
- 2013–2014 **Student representative at School Assembly**, ECCI, UCR, San José.
- 2011 **Student representative at Teaching Council**, FEITEC, ITCR, Cartago.