

# Enrique Fynn

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CONTACT	enriquefynn.com	<i>Telephone:</i> +5573999076941 <i>E-mail:</i> me@enriquefynn.com
	Porto Seguro - Brazil	
INTERESTS	Rust, Go-lang, Logic, Rock climbing, Water sports, Distributed systems.	
EDUCATION	<b>USI (Universita della Svizzera Italiana)</b> , Lugano, Switzerland PhD, Computer Science (2015 - 2020) <b>Universidade Federal de Uberlândia - UFU</b> , Uberlândia, Minas Gerais, Brazil M.S, Computer Science (2013 - 2015) B.S., Computer Science (2008 - 2012) <b>State University of Campinas - UNICAMP</b> , Campinas, São Paulo, Brazil Summer School, Programming Contest (February 2012) <b>Universitatea ”Politehnica” din Timișoara</b> , Timișoara, Romania. Scholar Year (July 2010 - July 2011)	
PROFESSIONAL EXPERIENCE	<b>Chorus One</b> , Remote <i>Developer</i> (December 2020) <ul style="list-style-type: none"><li>• <b>Solido</b> (Lido for Solana) Protocol to stake and mint <i>stSOL</i>, a Solana staking derivative used in DeFi protocols. Aggregated +100m TVL in 3 months and used by many validator services, including ChorusOne.</li><li>• <b>Solana MEV client fork</b> Effort to build a MEV client for Solana. Modified the original Solana client to route transactions to a custom code that would extract MEV.</li><li>• <b>Ethereum MEV client</b> Built a MEV client for Ethereum. The client would extract MEV from the mempool and submit the transactions to the network.</li><li>• <b>Ethereum pooled staking</b> Built a pooled staking service for Ethereum. The service would allow users to stake their ETH and receive a token representing their staked ETH. Used Stakewise and Eigenlayer.</li><li>• <b>Ledger Ethereum Plugin</b> Built a plugin for Ledger devices to interact with Ethereum. The plugin would allow users to sign transactions and interact with smart contracts.</li></ul> <b>Monte Labs SAGL</b> , Lugano, Switzerland	

## ACADEMIC EXPERIENCE

*Co-founder* (August 2018 - 2020)

**MOBILECARD**, Uberlândia, Minas Gerais, Brazil

*Developer* (December 2012 - April 2013)

- Integrated financial statement system

**USI (Universita della Svizzera Italiana)**, Lugano, Switzerland

*PhD Research Assistant*

**September 2015 - 2020**

- Thesis: Scaling blockchains
- Professor: Fernando Pedone

**Federal University of Uberlândia - UFU**, Uberlândia, Minas Gerais, Brazil

*Master's, Grantee CAPES*

**January 2013 - September 2015**

- Thesis: PheroCast, Efficient Node Position Forecasting in Ad-Hoc Mobile Networks
- Professor: Lásaro Jonas Camargos

*Scientific Project, Grantee FAPEMIG*

**January 2008 - December 2012**

- Coevolution for parametrical search of bidimensional cellular automata
- Professor: Gina Maira Barbosa de Oliveira

*Configuration and Programming on a Beowulf Cluster* **January 2008 - January 2009**

- Professor: César Almeida

*Given Lectures and Courses*

- *Distributed Systems*, Masters course - USI.
- *Parallel Programming using OpenMPI*, in 3<sup>th</sup> Computer journey - UFU.

## SOFTWARES & CONTRIBUTIONS

- *Prysmatic Labs*, Eth2.0 client
- *VertSys*, Users management in a climbing gym
- *PheroCast*, Node forecast using ant colony inspired algorithms
- *go-ethereum port*, Maintainer FreeBSD port
- *Solido*, Developer

## PUBLICATIONS

- Robust and Fast Blockchain State Synchronization *Under reviewing process*
- Smart contracts on the move *50th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)*

- Challenges and pitfalls of partitioning blockchains *2018 48th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops (DSN-W)*
- DynaStar: Optimized Dynamic Partitioning for Scalable State Machine Replication *In 2019 IEEE 39th International Conference on Distributed Computing Systems (ICDCS)*
- Callinicos: Robust Transactional Storage for Distributed Data Structures *In 2016 USENIX Annual Technical Conference (USENIX ATC 16)*
- An Architecture for Traffic Sign Management in Smart Cities *In 2016 IEEE 30<sup>th</sup> International Conference on Advanced Information Networking and Applications (AINA) (pp. 580-587). IEEE*
- Node Position Forecast in MANET with PheroCast *In: 2014 IEEE 28th International Conference on Advanced Information Networking and Applications (AINA 2014)* doi:[10.1109/AINA.2014.140]
- Adaptive strategies applied to evolutionary search for 2D DCT cellular automata rules. *In: GECCO '11, 2011, Dublin.* Adaptive strategies applied to evolutionary search for 2D DCT cellular automata rules. New York : ACM, 2011. p. 1147-1154. doi:[10.1145/2001576.2001731]
- Some Investigations About Synchronization and Density Classification Tasks in One-dimensional and Two-dimensional Cellular Automata Rule Spaces In: *Automata 2009, 2009, São José dos Campos. 15th International Workshop on Cellular Automata and Discrete Complex Systems.* Elsevier, 2009. v.1. p.209 - 230.
- Investigações sobre a tarefa da classificação da densidade em autômatos celulares bidimensionais. *Em: IX Encontro Interno e XIII Seminário de Iniciação Científica - IC2009, 2009, Uberlândia.* IX Encontro Interno e XIII Seminário de Iniciação Científica - IC2009, 2009. p. 1-10.

CONFERENCES  
AND EVENTS

5<sup>th</sup> place in SWERC (Southwestern Europe Regional Contest), coach - Paris-FR (2018).

1<sup>st</sup> place in Hack the city, Orion “blockchain digital ID solution” (2017)

5<sup>th</sup> place in SWERC (Southwestern Europe Regional Contest), coach - Paris-FR (2017).

4<sup>th</sup> place in 1<sup>st</sup> Maratona Mineira de Programação, competitor - Uberlândia-BR (2012).

1<sup>st</sup> place in Regional Programming Contest ACM-ICPC, competitor - Uberlândia-BR (2011).

2<sup>nd</sup> place of the 9<sup>th</sup> Programming Contest CTBC, competitor - Uberlândia-BR (2010).

5<sup>th</sup> place of the 10<sup>th</sup> Programming Contest CTBC, competitor - Uberlândia-BR (2010).

KNOWN  
LANGUAGES

Portuguese (native), English (well), Spanish (native), Italian (reasonably).