

Antonio M. Larriba Flor

Curriculum Vitae

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Experience

- 2023/Today **Cryptography Researcher**, *NETHERMIND*, Remote.
Researching and implementing cryptography primitives, protocol research and ZK.
- 2021/23 **Head of Research**, *COMPOSABLE FINANCE*, Remote.
Researching cryptography primitives, ZK, and protocols for DeFi projects.
- 2019/23 **Predoctoral Researcher**, *ALFA*, Valencia.
Researcher on Homomorphic Cryptography, Electronic Voting and Blockchain.
- 2019/21 **Blockchain developer**, *GEMINIS TOOLS*, Valencia.
Developed Blockchain technologies and its deployment.
- 2017/19 **Predoctoral Researcher**, *PRHLT*, Valencia.
Researcher on Machine Learning oriented to Natural Language Processing problems.

Education

- 2019–2023 **PhD Student**, *Distributed Cryptographic Protocols*, Universitat Politècnica de València, València.
- 2017–2019 **PhD Student**, *Neural Machine Translation*, Universitat Politècnica de València, València.
- 2016–2017 **Master's Degree in Artificial Intelligence, Pattern Recognition and Digital Imaging**, *2nd of my promotion*, Universitat Politècnica de València, València.
- 2012–2016 **Bachelor's Degree in Computer Science**, *Top 10% percentile*, Universitat Politècnica de València, València.

Technical Skills

- Languages Solidity, Python, Javascript, Rust, C/C++
- Cryptography MPC, ZK, Homomorphic Cryptography, Electronic Voting
- ZK Folding, Sumcheck, GKR, arkworks
- Blockchain Consensus Algorithms, Data Availability, Privacy

Languages

- Spanish **Mother tongue**, *ES*.
- English **Professional Competence**, *EN*.

Selected Publications

- Antonio M. Larriba, José M. Sempere, Damián López**, *A two authorities electronic vote scheme*, Computers & Security, Volume 97, October 2020, 101940.
- Antonio M. Larriba, Aleix Cerdà Cucó, José M. Sempere, Damián López**, *Distributed Trust, a Blockchain Election Scheme*, Informatica, Volume 32, Issue 2, 2021, pp. 321-255.
- Antonio M. Larriba, Damián López**, *How to Grant Anonymous Access*, IEEE Transactions on Information Forensics and Security, Volume 18(2022), pp. 613-625.
- Antonio M. Larriba, Damián López**, *SUVS: Secure Unencrypted Voting Scheme*, Informatica, Volume 33, Issue 4 (2022), pp. 749-769.
- You can check the complete list of publications on ResearchGate.