Antonio M. Larriba Flor

Curriculum Vitae

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Experience

2023–Present — **Applied Cryptography Researcher**, *NETHERMIND*, Remote.
Conducting research and implementation of cryptographic primitives, protocol design, and zero-knowledge constructions.

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

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.