Tiago Domingues

Software and Network Security | Smart Contract Development and Auditing

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Education

MSc: Telecommunications and Computer Engineering
Instituto Superior Técnico

📅 Sep 2020 – July 2023   📍 Lisbon, Portugal

- GPA: 17/20
- Specialized in Cybersecurity and Distributed Systems
- Dissertation: Pentesting Labs for Web Security and Active Directory

BSc: Computer and Network Engineering
Instituto Superior de Engenharia de Lisboa

📅 Sep 2017 – Sep 2020   📍 Lisbon, Portugal

- GPA: 17/20
- Undergraduate student of the year (highest GPA)
- Research Project: Network-based Intrusion Detection System for domestic IoT

Experience

Cyber Forensics Assistant Professor
Instituto Superior Técnico

📅 Sep 2021 – Feb 2022   📍 Lisbon, Portugal

- Coordinated laboratory classes.
- Created lab assignments to be performed by the students.
- Reviewed and evaluated the aforementioned assignments.

Courses & Certification

Blockchain, Solidity and Web3 Development
Patrick Collins @FreeCodeCamp

Ethereum; Smart Contracts; Solidity; JavaScript; Chainlink; Hardhat.

Bootcamp for Smart Contract Security Auditing
Secureum

Key aspects of Solidity; Security pitfalls and best practices; Audit techniques and tools.

MikroTik Certified Network Associate (MTCNA)
MikroTik

DHCP; Bridging; Routing; Wireless; Firewall; QoS; Tunnels.

Areas of Interest

- Blockchain Engineering
- Smart Contract Development and Auditing
- Network Engineering
- Software and Network Security
- Penetration Testing

Projects

Blockchain and Smart Contracts

- Simple Smart Contracts to learn Solidity;
- Solutions to Damn Vulnerable DeFi;
- Solutions to Ethernaut.

Software Security

- Hackergram Lab: Vulnerable web app to practice web-based attacks;
- Rebind&Conquer Lab: Demonstrating the DNS Rebinding attack;
- HacktiveDirectory Lab: Practicing Active Directory pentesting.

Network Security

- Network-based Intrusion Detection System for domestic IoT.

Skills

Python | Solidity | JavaScript | C
Java | EVM | Hardhat

Self Learning | Teamwork | Leadership
Critical Thinking | Detail-oriented

Languages

Portuguese ●●●●●

English ●●●●○

Spanish ●●○○○