

ERODOTOS DEMETRIOU

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Education

- 2021-Present** **The University of Edinburgh (Edinburgh – Scotland – United Kingdom)**
Master of Science in Cyber Security, Privacy, and Trust (Current GPA: 70/100)
Key Modules: Security Engineering, Secure Programming, Blockchain and Distributed Ledgers, Modern Cryptography, Research Methods in Security Privacy and Trust.
Thesis: "Evaluating the Performance and Anonymity of Mix-Networks"
- 2017-2021** **University of Cyprus (Nicosia – Cyprus)**
Bachelor of Science in Computer Science (GPA: 8.4/10)
Key Modules: Advanced Topics in Databases, Data Mining, Systems Security, Parallel Processing, Computer Networks, Internet Technologies
Thesis: "Implementation and Evaluation of a Blockchain Database for IoT Data"

Work Experience

- 03-08/2021** **HF Markets Fintech Services LTD, (Larnaca – Cyprus)**
Software Developer
- Developed various features on company's internal systems comprising fund and data management tools for clients. Implemented custom websites, API endpoints, SQL scripts and cron jobs.
- 2019-2021** **Data Management Systems Laboratory (DMSL), University of Cyprus (Nicosia – Cyprus)**
Lab Member
- Deployed a Blockchain network using Hyperledger Fabric and developed chaincode (smart contracts) for secure data management in Blockchain. Specifically, I evaluated the scenario of storing ML Models on the Blockchain for better performance and scalability over big data.

Additional Skills

Languages: Greek (native speaker), English (IELTS Academic, 2021), French (DELF B1Diplôme d'Etudes en Langue Française, 2013)

Technical Skills

Programming: C, Go, Java, Python, HTML, CSS, JavaScript, SQL, Solidity
Tools: Hyperledger Fabric, Hadoop, Spark, Git, Docker, Tornado Web, Go-Fiber
Operating Systems: Linux/UNIX, Microsoft Windows

Publications

- "**Triastore: A Web 3.0 Blockchain Datastore for Massive IoT Workloads**", Panagiotis Drakatos, Erodotos Demetriou, Stavroulla Koumou, Andreas Konstantinidis, Demetrios Zeinalipour-Yazti "**The 22nd IEEE International Conference on Mobile Data Management**" (MDM '21), IEEE Press, Pages: 6 pages, June 15 - June 18, 2021, Toronto, Canada, 2021.
- "**Towards a Blockchain Database for Massive IoT Workloads**", Panagiotis Drakatos, Erodotos Demetriou, Stavroulla Koumou, Andreas Konstantinidis, Demetrios Zeinalipour-Yazti "**Proceedings of the 3rd Intl. Workshop on Blockchain and Data Management**" (BlockDM '21), IEEE Press, Pages: 4 pages, April 19, 2021, Chania, Crete, Greece, 2021.