

ERODOTOS DEMETRIOU

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Education

- 2021-2022 The University of Edinburgh (Edinburgh – Scotland – United Kingdom)**
Master of Science in Cyber Security, Privacy, and Trust (Grade – ‘Distinction’)
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 (Grade – ‘Very Good’)
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”
- 2017-2021 Aristotle University of Thessaloniki (Thessaloniki – Greece)**
Erasmus + Undergraduate student
Key Modules: Information Retrieval, Neural Networks, Software Engineering, Mobile Networks
- 2016 Open University of Cyprus (Nicosia – Cyprus)**
Undergraduate modules (thematic units) to National Guardsmen (Grade – ‘Excellent’)
Introduction to Python
- 2012-2015 Apostolos Markos Lyceum (Nicosia – Cyprus)**
Apolytirion (Grade – ‘Excellent’)
Recipient of Academic Excellence and Ethos Award for all 3 years of Lyceum.
Main Subjects: Mathematics, Physics, Computer Science.

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, 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.

- 06-07/2019** **NetU Consultants Ltd. (Nicosia – Cyprus)**
Internship: Administrator of Oracle NetSuite ERP/CRM platform
- Cooperated and helped different company departments (Business, Developers, Executives) to automate their daily work using the platform NetSuite.
- 06-07/2018** **Website: foody.com.cy (Nicosia – Cyprus)**
Internship: Web Developer
- Worked on various experimental projects that could be used to automate and improve the company's operations.
- 2015-2017** **Cyprus National Guard (Nicosia Cyprus)**
Signal Sergeant

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

Awards and Achievements

- Awarded with *Scotland's Saltire Scholarship*, for postgraduate university students, provided by the Scottish Government (2021)
- Worldwide Fasted Car Award: "F1 In Schools" International Finals Abu Dhabi - Second Place, Fastest Car Award and best Website Award: "F1 In Schools" National Competition (2014)

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.
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