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

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, Databases

2019   **Aristotle University of Thessaloniki (Greece)**
Erasmus + Undergraduate student
Key Modules: Information Retrieval, Neural Networks, Software Engineering, Mobile Networks

2012-2015   **Apostolos Markos Lyceum (Nicosia – Cyprus)**
Apolytirion (GPA: 19.42/20 – 'Excellent')
Recipient of Academic Excellence and Ethos Award for all 3 years of Lyceum.
Main Subjects: Mathematics, Physics, Computer Science.

Work Experience

03/2020-08/2020   **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.
- Gained strong problem-solving and time management skills.

01/2019-Present   **Data Management Systems Laboratory (DMSL), University of Cyprus (Nicosia – Cyprus)**
Researcher on my Thesis: "Blockchain Data Management for IoT"
- 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.
- Developed custom components for the NetSuite Platform using SuiteScript (similar to JavaScript)
- Earned teamwork, time-management and professional communication skills.

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)**

Cyprus National Guard (Nicosia – Cyprus)
Signal Sergeant
- Selected to be trained as a Signal Sergeant after passing intense physical and IQ examinations.
- Completed a 6-week sergeant school with focus on arms and combat operations.
- Completed a 4-week radio operation and cryptography training.
- Attended a 2-week training course on army computer networks.

Additional Skills

Languages: Greek (native speaker)**, English (**Cambridge IGCSE English as a Second Language, 2012), French (DELF B1Diplôme d'Etudes en Langue Française, 2013)

Technical Skills

<u>Programming Languages</u>: C, Java, Python, NodeJS, Go, SQL, JavaScript, Pascal, Visual Basic, R, PHP, ARM Assembly
<u>Markup Languages</u>: HTML, CSS
<u>Databases</u>: Microsoft SQL Server, MySQL, CouchDB
<u>Tools & IDEs</u>: Hyperledger Fabric, Hadoop, Git, Jupyter Notebooks, Tornado Framework, Eclipse, IntelliJ IDEA, Visual Studio Code, Vim, Wireshark, Opnet, Microsoft Office, Lingeling SAT Solver, Xilinx ISE
<u>Operating Systems</u>: Linux/UNIX (CentOS, Ubuntu, macOS), Microsoft Windows (10, 7, XP), Android

Awards and Achievements

- 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)
- Third Place and best Website Award: "F1 In Schools" National Competition, Cyprus eTwinning Pupil Quality Label Award (2013)
- Second highest GPA of gymnasium graduate class and Notable Mention in Chemistry Olympiad (2012)

Certificates

- Open University of Cyprus: Undergraduate modules (thematic units) to National Guardsmen - Python Course GPA: 9.00/10 (2016)
- Cyprus Computer Society: Pascal Programming Level Two (2015)
- Cambridge A – Level: Computing / Pearson Edexcel GCE: Further Pure Mathematics (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.

References Available Upon Request