

# ERODOTOS DEMETRIOU

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## Education

- 2017-Present**      **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

- 01/2019-Present**    **Data Management Systems Laboratory (DMSL), University of Cyprus**  
*Researcher on my Thesis: “Implementation and Evaluation of a Blockchain Database for IoT Data”*
- My research field focuses on efficient data management using Blockchain technology.
  - I have studied and evaluated different types of Blockchains and how they can be applied to the IoT world.
  - Engaged in the study of various hybrid and eco-friendly consensus algorithms.
  - Deployed a Blockchain network using Hyperledger Fabric and developed chaincode (smart contracts) for secure data management in Blockchain.
  - Carried out research on Time-Series databases and how they can be integrated into a Blockchain for better performance.
  - Evaluated the scenario of storing ML Models on the Blockchain for better performance and scalability over big data.
- 06-07/2019**        **Oracle NetSuite Developer and Analyst: NetU Consultants Ltd. (Nicosia – Cyprus)**  
*Administrator of Oracle NetSuite ERP/CRM platform*
- Took Oracle’s online professional course to become a certified NetSuite Developer.
  - Analyzed the company’s operations and created an efficient workflow that handles incoming tickets for bug reporting and requests for new features on existing software.
  - Cooperated and helped different company departments (Business, Developers, Executives) to automate their daily work using the platform NetSuite.
  - Worked under the supervision of the Chief Project Manager and the Senior Company Manager.
  - Developed custom components for the NetSuite Platform using SuiteScript (similar to JavaScript)
  - Developed a user-friendly website for clients, where they can submit a new ticket and track its progress.
  - Earned teamwork, time-management and professional communication skills.
- 06-07/2018**        **Website: foody.com.cy (Nicosia – Cyprus)**  
*Web Developer*
- Worked on various experimental projects that could be used to automate and improve the company’s operations.

- Earned experience on internet technologies and Google APIs such as Geolocation, Geocoding and Banking APIs.
- Joined a team where we developed a prototype platform that will help restaurant owners track delivery vehicles during their service. For this project we used different technologies such as php, MySQL, Angular, HTML5, CSS and JavaScript.
- Participated in the development of a prototype platform that can be used to automate business payments and banking procedures. For this project we created a REST API using Node.js.

**2015-2017**

### **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.
- During my service I operated mainly as a cryptographer and radio operator. Also, I worked for the Intelligence and Security Office of the 2<sup>nd</sup> Motorized Infantry Division.

### **Additional Skills**

**Languages:** Greek (native speaker), **English** (IELTS Academic, 2020), French (DEL F B1Diplôme d'Etudes en Langue Française, 2013)

### **Technical Skills**

Programming Languages: C, Java, Python, NodeJS, Go, SQL, JavaScript, Pascal, Visual Basic, R, PHP, ARM Assembly

Markup Languages: HTML, CSS

Databases: Microsoft SQL Server, MySQL, CouchDB

Tools & IDEs: Hyperledger Fabric, Hadoop, Git, gnuplot, Jupyter Notebooks, Eclipse, IntelliJ IDEA, Visual Studio Code, Vim, Wireshark, Opnet, Microsoft Office, Lingeling SAT Solver, Xilinx ISE

Operating Systems: Linux/UNIX (CentOS, Ubuntu, macOS), Microsoft Windows (10, 7, XP), Android

### **Awards and Achievements**

- Worldwide Fastest 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)

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**References Available Upon Request**