TIMOTHEOS SOUROULLA

PERSONAL DETAILS:

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Date of Birth: 26/07/1995   Address: Edinsvägen 22 A lgh 1001, 131 47 Nacka

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EDUCATION

August 2019 – June 2021:
MSc in Systems, Control and Robotics - Department of Electrical Engineering and Computer Science
KTH Royal Institute of Technology, Stockholm, Sweden
- *Thesis Title: "Model Compression for Mobile Devices with Constrained Computing Resources"*
    - *Completed in cooperation with Ericsson AB*
- *Courses: Image Analysis and Computer Vision, Speech and Audio Processing, Applied Estimation, Speech and Speaker Recognition, Machine Learning, Control Theory and Practice*

September 2015 - June 2019:
BSc in Electrical Engineering-Department of Electrical and Computer Engineering University of Cyprus, Nicosia, Cyprus
- *Overall GPA: 8.87/10.0 (Excellent)*
- *Second Highest GPA in Class*
- *Thesis Title: "Remotely Controlled Arms via Electromyogram Signals"*
- *Courses: Intelligent Systems, Digital Image Processing, Robotics, Digital Signal Processing*

September 2010 - June 2013:
High School Diploma
Apostolos Marcos Lyceum
- *Overall GPA: 19.42/20.0*

WORKING EXPERIENCE

- **January 2021- Today**   **Ericsson AB**
  Master Thesis Student:
  Research Group: "GFTL ER AI MR Cognitive Automation Lab"
  Thesis work performed as part of my Master studies at KTH. Project title: "Model Compression for Mobile Devices with Constrained Computing Resources"

- **June 2020- August 2020**   **"RISE" Research Centre of Excellence**
  Summer Research Internship:
  Research Group: "Next Generation of Smart Cameras (Deep Camera)"
  Developed a Graphical User Interface that automatically identifies objects in selected images or videos and allows the end-user to change the initial predictions. (Link to Video)

- **June 2019- July 2019**   **"RISE" Research Centre of Excellence**
  Summer Research Internship:
  Research Group: "Smart, Ubiquitous and Participatory Technologies for Healthcare Innovation"

Developed a project aiming to help elderly people who are suffering from Dementia to exercise daily using Virtual Reality technology. (*Link to Video*)

- **June 2018- July 2018**   **"KIOS" Research and Innovation Centre of Excellence**
  Summer Research Internship:
  Project with title: "Remotely controlled arms via electromyogram signals"
  Developed a robotic exoskeleton arm that converts bio-signals into robotic movements. (Link to Video)

- **June 2017- July 2017**   **"KIOS" Research and Innovation Centre of Excellence**
  UROP (Undergraduate Research Opportunity Program):
  Project with title: "Remotely controlled arms via electromyogram signals"
  Developed a robotic exoskeleton arm that converts bio-signals into robotic movements. (Link to Video)

- **June 2016 – July 2016**   **J & A Philippou Architects and Engineers**
  Managing the company's core system, maintaining hardware and software, and solving technical problems of employees.

- **July 2013-July 2015**   **National Guard – Military Service**

AWARDS/DISTINCTIONS

- Global Winner of NASA's "Space Apps Challenge 2017" with team "NestFold" in People's Choice category
- "Manolis Christofides" annual award, as the young scientist of the year 2018, from the Organization of Young Scientists, awarded by the President of the Republic of Cyprus Mr. Nikos Anastasiades
- Excellent performance award for my excellent performance during my undergraduate studies, awarded by the President of the Electrical and Computer Engineering Department Professor Georgios Ellinas

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ACTIVITIES

- Member of team's "NestFold" Board of Management, a global winning team of the NASA "Space Apps Challenge 2017" in the People's Choice category
- Financial Manager of team "NestFold"
- Participated in the "Seeds for The Future 2019" program organized by Huawei in Shenzhen, China, April 2019
- Participated at Tohoku University Engineering Summer Program 2018, Electrical and Electronic Engineering Course (TESP-EEE-2018) in Sendai (Japan), August 2018
- Health Horizons Future Healthcare Forum 2019 Global Finalist

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SKILLS

- **In-Depth Knowledge:** Python, MATLAB, ROS, Arduino, Latex, GitHub, MS Office
- **Intermediate Knowledge:** C, C++, C#, Raspberry Pi
- **Languages:** English (Proficient, C1), Greek (Native Language, C2)

REFERENCES

Available on Request