ANTONIOS MENGOULIS

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WORK EXPERIENCE

- ### Spare Parts Coordinator, Ilios Shipping CO. S.A.
  Piraeus, Greece (May 2017 – May 2019)

  - ✓ Regular technical monitoring of the fleet.
  - ✓ Assisting Superintendent Engineer on repairs/dry docks.
  - ✓ Ordering spare parts, lubricants, paints, gases and chemicals.
  - ✓ Forwarding spare parts on board vessels.
  - ✓ Checking of all the invoices.
  - ✓ Analyzing and monitoring the consumption of lubricants.
  - ✓ Evaluating and resolving of open defect reports and deficiencies related to the technical department.
  - ✓ Monitoring the Planned Maintenance System (PMS) of the fleet.
  - ✓ Tracking of overhauling and engine maintenance reports.
  - ✓ Coordinating the IT equipment of the fleet.

- ### Self-Employed
  Athens, Greece (June 2013 – June 2017)

  Consulting services in the implementation of telecom solutions (Value Added Services and Voice/Messaging Services).

- ### Technical Project Manager, Cosmote Mobile Telecommunications S.A.
  Athens, Greece (April 2008 – April 2013)

  Managing the full life cycle of multiple complex projects for the implementation of Value Added Services and Voice/Messaging services. Managing internal resources of the company. Communicating and cooperating with internal clients and vendors. Evaluation of technical proposals. Definition of specifications and requirements. Examination and resolution of technical problems. Creation and analysis of reports. Technical writing.

  Projects Undertaken:

  - **Fun Dial (RingBack Tone)**: System that enables subscribers to choose a song and/or a personal prompt for callers to hear instead of the standard Ringback Tone (RBT).
  - **Real Time Billing**: System that enables the real time charging of subscribers who choose a song and/or a personal prompt for callers to hear instead of the standard Ringback Tone (RBT).
  - **SMS Gateway**: Protocol converter application used for the MO/MT SMS traffic between the Fun Dial system and the subscriber.
  - **What's UP Reload IT**: Service of Fun Dial system offering the "What's UP" subscribers the ability to choose a song free of charge whenever they recharge their account.

- **Zero Rated Content**: Feature of Fun Dial system offering the subscribers the ability to choose a song free of charge.
- **Content Update**: Periodical update of the content, loaded to the content management platform of the Fun Dial system.
- **VoiCD**: Music and multi-media distribution system for telephony networks that uses content as a trigger for a wide range of musical and entertainment services.
- **IVR Call Flow**: Implementation of IVR call flow for the services of prepaid subscribers.

Achievement:

✓ Saved 250K Euros for the company by introducing a new process in the "Content Update" project.

➢ **Quality Assurance Engineer, Velti**
Athens, Greece (November 2007 – March 2008)

Manual and stress testing of software applications. Creation of test plans and user guides of deliverables.

Project Undertaken:

- **Piraeus Bank Business Process Management**: Software that automates the processes for approval of bank products and services (home loans, personal loans and credit cards).

➢ **Quality Assurance Engineer, Intrasoft International**
Athens, Greece (October 2006 – October 2007)

Development of test scripts for automated testing of software applications. Creation of test plans and user guides of deliverables.

Project Undertaken:

- **Transit Computerization**: Software that automates information exchange between customs offices regarding goods in transit from one EU country to another.

Achievement:

✓ Reduced testing time cycle to half, by integrating many test scripts into one single script for testing the aforementioned application.

➢ **Software Engineer, Sensorwise**
Houston, TX, USA (January 2003 – October 2005)

Development of Graphical User Interfaces (GUIs) and extensive stand-alone applications in MATLAB and LabVIEW for multiple target boards.

Projects Undertaken:

- **SWELL**: Created software that measures the flow (velocity) of oil through a borehole.

- **Seismic While Drilling (SWD)**: The Seismic While Drilling tool is used to collect data for processing. Created software that communicates with the SWD tool.
- **Field Performance Prediction Model**: Created software that simulates the worst-case scenario of a caliper tool operating in the field.
- **Mud Acoustic Velocity**: Developed code that simulates a mathematical model for evaluating the mud acoustic velocity.
- **Density Tool**: Created software that measures the density of the rocks around the borehole.
- **Electrical Micro-Imager, Extended Range Micro-Imager and Oil-Based Micro-Imager Tools**: Developed software that monitors the resistivity of the borehole.
- **Pad Power Module**: The Pad Power Module is part of the Oil-Based Micro-Imager tool. Created software that tests the module.
- **Mandrel Interface Board and X-Cross Dipole Main Control Module**: Developed software that tests the interface boards of the drilling tool.
- **Core Gun and Hostile Rotary Sidewall Coring Tools**: These tools are used to pull out rock samples from the borehole for further processing. Created software that interfaces with the tools.
- **Accelerometer Board**: The accelerometer board is part of the Core Gun tool. Developed software that reads and processes data in order to calibrate the board.

Achievement:

- ✓ Enhanced existing software and increased application efficiency for various projects.

> **Electrical Engineer, Vertical Construction**
> **New York, NY, USA (Summer 2000)**

Installation of electrical systems in commercial buildings.

SPECIALTIES

Telecommunications, Project Management, Software Development, Software Quality Assurance, GSM, VAS (Value Added Services), Voice and Messaging Services, RBT (RingBack Tone), SMS (Short Message Service), SMSC, 2G, 3G.

EDUCATION

> **Master of Science** in Telecommunications, Southern Illinois University, Carbondale, USA, 2002. Thesis: "Multiple Sensor Fusion for Parameter Estimation".

> **Bachelor of Science** in Physics, University of Ioannina, Greece, 1998. Thesis: "PC-Based Data Acquisition System, consisting of a Flow Meter Sensor with its Interface Electronics and a PC Interface Card with a 4-20 mA Current Loop Receiver".

PUBLICATIONS

- Viswanathan R., Mengoulis A. and Mahajan A., *"Signal Parameter Estimation",* IEEE Letters in Communication, February 2003.
- Unnikrishnan N., Mahajan A., Mengoulis A. and Viswanathan R., *"Optimization of Threshold Values for Estimators Based on Single-Bit Quantized Sensors, using Genetic Algorithms"*, Proceedings of the ASME International Mechanical Engineering Congress and Exposition, New Orleans, Louisiana, USA, November 2002.
- Mengoulis A., Viswanathan R. and Mahajan A., *"Signal Parameter Estimation Based on One-Bit Quantized Data from Multiple Sensors"*, Proceedings of the IEEE International Conference on Information Fusion, Annapolis, Maryland, USA, July 2002.

COMPUTER SKILLS

Windows, UNIX, LINUX, PeriPro, ERP Production, SAP NetWeaver, WinRunner, Quick Test Professional, WebLOAD Professional, MATLAB, LabVIEW, VHDL, CADENCE, ORCAD, P-SPICE, XILINX Foundation Project Manager, HP-VEE, FORTRAN.

SEMINARS - ADVANCED TRAINING

- Attended Training in SAP/ERP organized by the Academy of Hellenic Telecommunications Organization in Athens, Greece, 20 December 2011.
- Attended Training in Speech Recognition organized by INTRACOM IT Services in Athens, Greece, 12-16 December 2011.
- Attended Seminar in Communications and Self-Management Skills organized by the Academy of Hellenic Telecommunications Organization in Athens, Greece, 23 June, 24 September, 18 October and 19 November of 2010.
- Attended Seminar in PMI – Project Management organized by the Academy of Hellenic Telecommunications Organization in Athens, Greece, 27-29 May 2009.
- Attended Training in Unified Modeling Language (UML) organized by Athens Information Technology Institute in Athens, Greece, 16-18 May 2007.

TEACHING EXPERIENCE

Teaching Assistant, Department of Electrical and Computer Engineering, Department of Physics, Southern Illinois University, Carbondale, USA.

- Instructor and Grader for College Physics I and II Laboratory Sessions (2000 - 2002).
- Instructor for Help Session in Mathematical Methods in Engineering (2000 - 2002).
- Student Advisor for Senior Project Design (Spring 2000).
- Grader for University Physics Course (Fall 2000).

ACTIVITIES

- Member of "Arxipelagos" Team (www.arxipelagos.com), (May 2012 – present).
- Attending Greek Traditional Dance Lessons organized by the Municipality of Kallithea and by the Municipality of Neo Irakleio in Athens, Greece (October 2007 - present).