Curriculum Vitae

PERSONAL INFORMATION

Dimitris Kokkinos

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Gender Male | Birthdate 28/06/1990 | Nationality Greek

PREVIOUS POSITIONS

June 2010 – December 2010

L1 Security Analyst

Obrela Security Industries www.obrela.com

- Anomaly detection in networks and various infrastructures
- Research, detection and prevention of network attacks
- Applying filters and detection rules to prevent and audit suspicious actions

Information Security and Cryptography

June 2011 – November 2011

Software Developer

Bayer Healthcare

- Application development and use of the Google API for the automatic geocoding of regions
- Finding the best route for medical visitors based on the translated points
- Use of C# and .NET framework
- Use of Microsoft Visual Studio

Software Development

June 2013 – May 2014

Software Developer

Zevera http://www.zevera.com

- Software development in .NET with C# and VB.NET
- Development and support of JetDownloader https://jetdownloader.com/
- Software Development for zevera.com
- Software Development for ozibox.com

Software Development

May 2014 – October 2014

Software Engineer

WebSoft www.websoft.gr

- Driver Development for a fiscal printer Wincorn Nixdorf
- Use of Visual Studio for C# and .NET framework
- WPF Development, XAML, C#
- SQL Server and Web Services Development

Software design, embedded software development

November 2014 – September 2015

Software Engineer

SenseCore www.linkedin.com/company/sensecore

- Application Development (core pro uploader) of the interface between the user and biometric sensors, uploading sensor data to cloud in WPF C#
- Design and development of the driver for the communication between computer and biometric sensors in JAVA
- Development of installer – uninstaller – updater of the application's core pro uploader in C++
- Use of Visual Studio (C#, Web Services), SQL Management Studio (SQL Server), Eclipse (JAVA), CodeBlocks(C++)

Software design and software development

February 2017 – November 2017

Software Engineer / Software Designer

Hellenic Army Information Technology Support Center (KEPYES)

- Application Development for data transferring (ETL Application – Extract Transform & Load) from a database of a curtain schema to a destination of a different schema
- Software design and development with the use of C# και Visual Studio

Software design and software development

EDUCATION

2008

High School Diploma

5th Lyceum of Nea Ionia

- 1st award for “an obstacle detecting robot”
- 1st award for “machine for transformation of motion using electrical motors”

2008 - 2013

Computer Science Degree

University of Piraeus, Computer Science

- **Valedictorian of Graduating Class- Grade: 8.2**

2013 – July 2016

Master's Degree in Automation Systems

National Technical University of Athens, Control Systems and Robotics

- Diploma Thesis : REMOTE CONTROL AND TRACK VISION OF UNMANED VEHICLES
- **Diploma Thesis Grade : 10**

LANGUAGES

Native Language: Greek

Other Languages

	UNDERSTANDING		SPEECH		WRITING
	Oral	Reading	Communication	Oral	
English	Very Good	Very Good	Very Good	Very Good	Very Good

Technical Skills &
- Visual Studio IDE
- Eclipse IDE
- CodeBlocks IDE
- Matlab
- SQLManagment Studio
- NetBeans IDE
- Arduino IDE
- Adobe Photoshop CS6
- Joomla
- MySQL
- Postgress

Online Courses (coursera – edx) https://www.coursera.org/ www.edx.org
- **Circuits and electronics** – MITx - www.edx.org/course/circuits-electronics-1-basic-circuit-mitx-6-002-1x
- **Machine learning** - Stanford University - www.coursera.org/learn/machine-learning
- **Think. Create. Code** – University of Adelaide - www.edx.org/course/think-create-code-adelaidex-code101x-1

Programming Languages
- C#
- JAVA
- C++
- C
- VB.NET
- Python
- Arduino / wiring
- Matlab
- Javascript
- Jquery
- SQL
- Html
- Processing
- Ruby

Driver's License
- Car

ADDITIONAL INFORMATION

Workshops, Teaching Activities, Presentations, Conferences, Articles, Awards
- Participation and Conduct of Lab “construction and control of an autonomous small scale vehicle”, CIE – 8th Conference of informatics in Education, University of Piraeus, Greece – October 2016
- Conduct of Lab “Robotics in education”, 4rth EPAL of Athens (Programming robotic functions and assembling Arduino parts)
- Article writing (“Arduino and Robotics in Education”) and Conduct of Lab “Robotics with Arduino”, CIE – 4th Conference of informatics in Education, University of Piraeus, Greece http://users.sch.gr/adamopou/docs/syn_cie2012_mpelesiotis.pdf
- 2nd place in innovation contest '**Agricultural Project with Java and Arduino**'
- Participation in Government Defense Exercise “PANOPTIS” 2019 (developing malicious software)

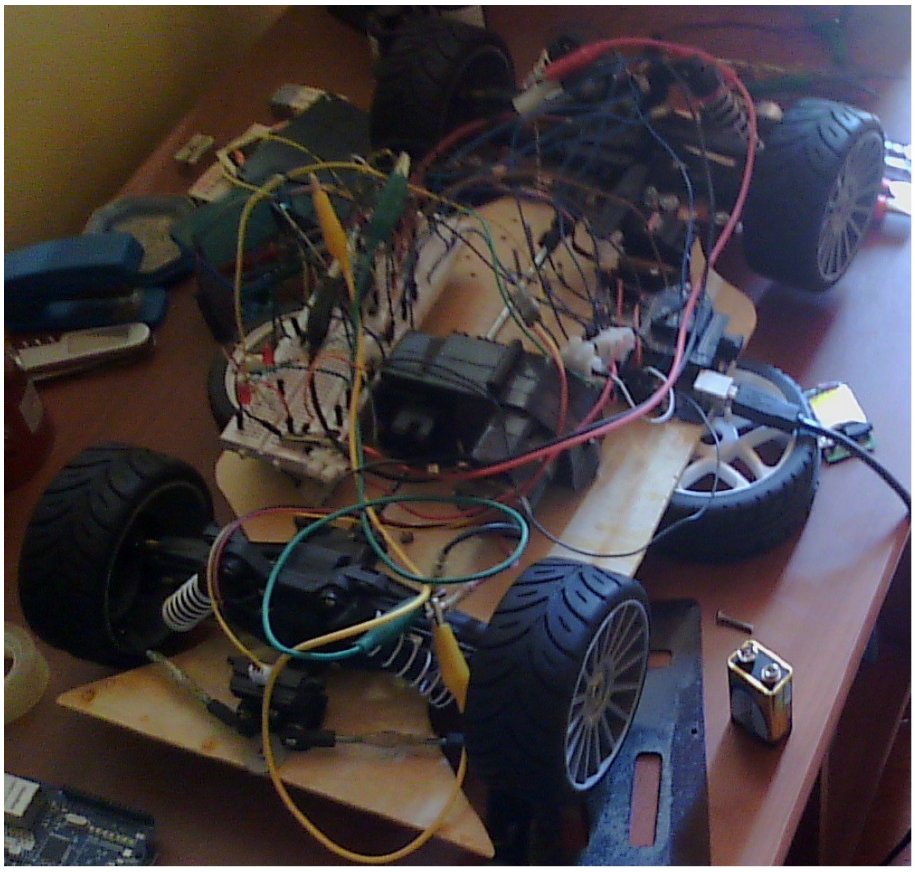
Various Projects

- Website Construction for the Hellenic magazine “Fortigo&Metafores” www.fortigometafores.gr
- Website Construction for the Nea Ionia soccer team www.aonionias.gr
- Website Construction from scratch and management of online jewelry shop http://www.redgoldonline.com
- Application of transferring sensor data (light, sound, temperature, wind intensity) using Arduino to JAVA RMI Server and sharing information with clients - 2012
- Machine that adds - subtracts two binary 4-bit numbers with the use of 40 electrical motors as relays
- Information system and telematics with applications in agriculture (Creation of a Java Information System that collects sensor values from stations in Crops) - 2011
- **PokerBot**, Software that recognizes the cards, money and other poker related items (automatically from the screen) estimating the chance of winning for the player - 2010
- **BotNet – UserLevel Rootkit** – software that allows remote computer spying with screenshots, keylogging, deleting - parsing - encrypting files and other features that are hidden from the computer-victim.
- **Ball On Plate** – Layout (paper construction) with 2 servo motors, a camera and implementation of a PID controller that allows the balancing of a sphere on a square flat surface by automatically changing its inclination - https://www.youtube.com/watch?v=hGi7EKHCBd8 – 2014
- Electrically powered RC Car via radio waves, use of sensors for the detection and avoidance of obstacles. Controlled by a computer or a controller. - https://www.youtube.com/watch?v=uL1wrccFsR4 – 2012
- Software for Soccer Matches (Automatic Estimates) with Microsoft Visual Studio and Programming Language C# - https://www.youtube.com/watch?v=hmEEcf1Z_5U
- Library for managing ads (supporting providers such as spitogatos.gr, xe.gr, propertise.gr)
- **EtlStudio** (Extract Transform & Load). Application that assists in uploading and transferring data from various sources (such as databases and files) and with the use of transformations and other operations converts them into completely different shapes and structures.

Areas Of Interest

- Software Development
- Software Architecture
- Software Design
- Design Patterns
- Algorithms
- Robotics
- Information Security
- Game Theory
- Data Structures
- Neural Networks

Photo Appendix *Remote controlled vehicle (diploma thesis) (2012)*



Machine that adds and subtracts two binary numbers of 4-bit with use of electrical motors as relay (2009)

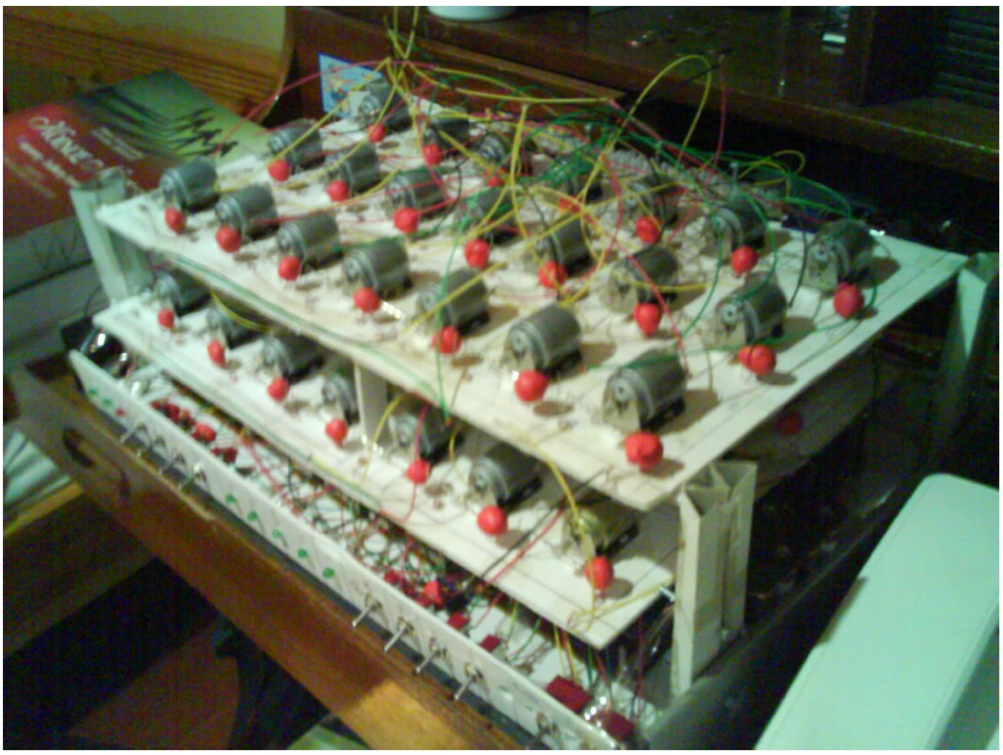
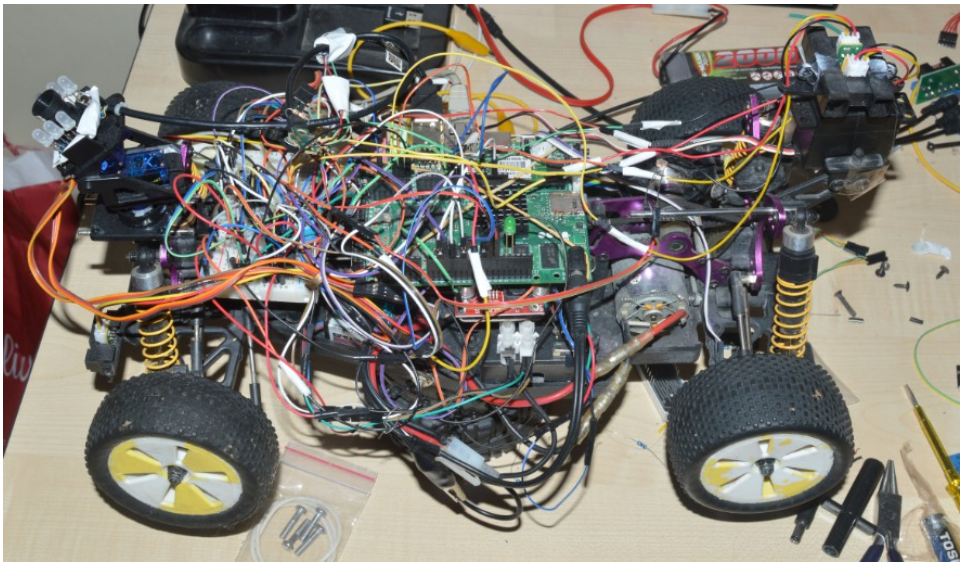


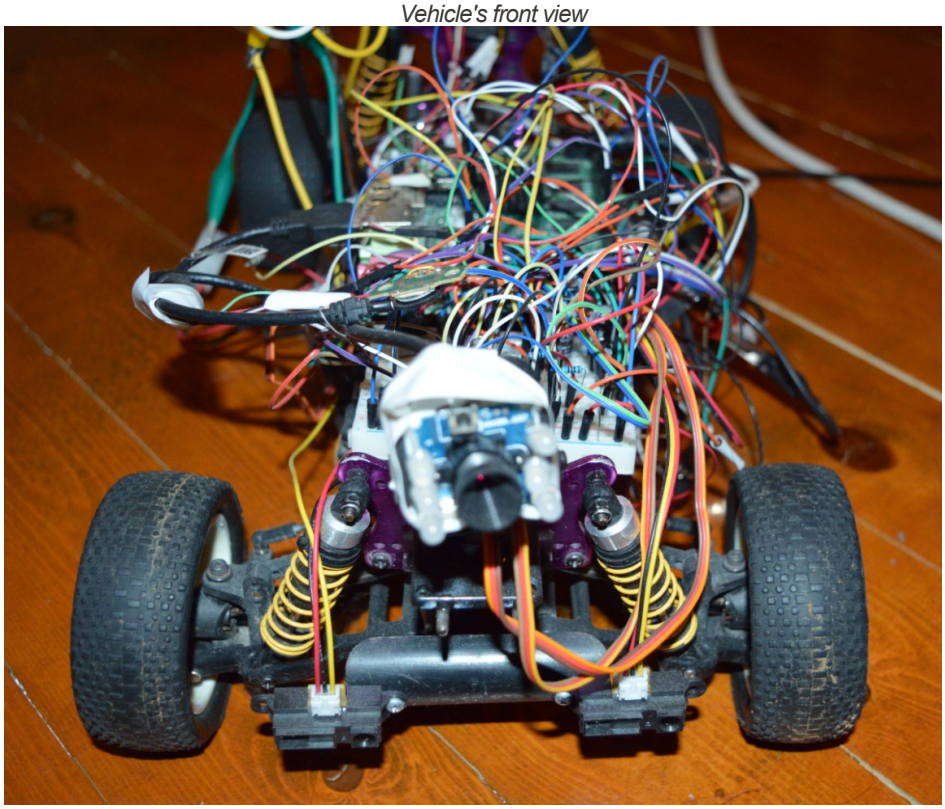
Photo Appendix *Information System and telematics with applications in agriculture. The station that collects data from environment and from the soil.*

Photographic Appendix *REMOTE CONTROL AND TRACK VISION OF UNMANED VEHICLES*

Vehicle's side view



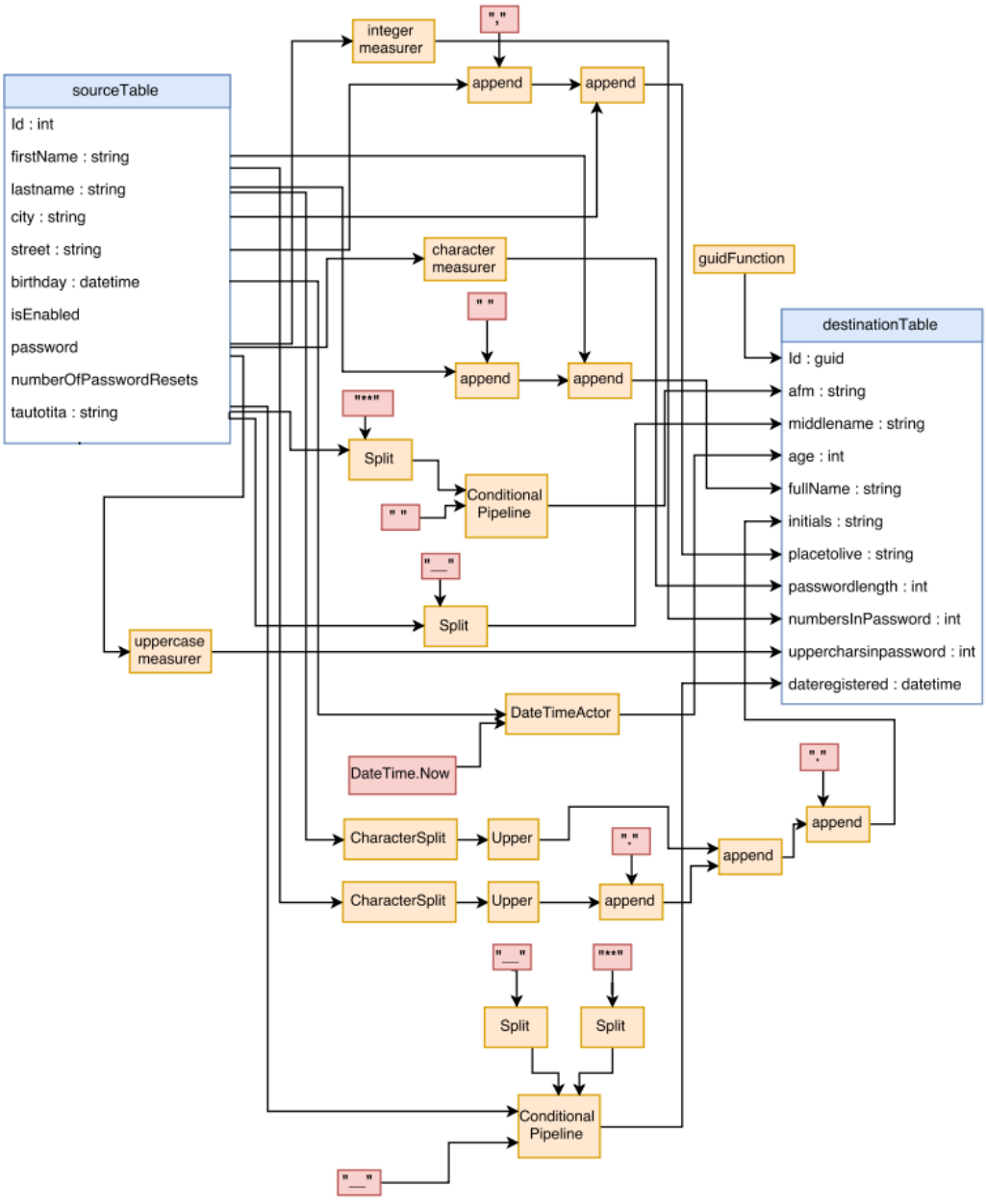
Vehicle's front view



Photographic Appendix

EtlStudio function visualization – Snapshot 1

Transfer from one array to another by means of various transformations enclosed in various blocks.The data transfer is conducted via the connections between these blocks.



Photographic Appendix

EtlStudio function visualization – Snapshot 2

Transfer from an array to different structure-shaped arrays by means of various transformations enclosed in the various blocks.The data transfer is conducted via the connections between these blocks.
The possibility of complex data transfers with simple placement of transformations and various other blocks is depicted bellow.