

Robert Mordzon

.Net Developer/Electronic Designer

IT professional with 6 years experience.

Proficient in hardware and software. Able to quickly pick up and use new languages, tools and software applications. Patient and creative problem-solver with demonstratable leadership abilities and team work skills as well.

Programmer, electronic designer, and R&D Manager at Blackburst Ltd., Xirux owner and Dynameke Co-founder.



JOB EXPERIENCE

OWNER: Xirux 2014-2016

Inventing and designing computer-based solutions to everyday needs and providing answers to unconventional requests and challenges regarding electronics and information technology.

R&D MANAGER: Blackburst Ltd. 2014-2016

Implementation of new technologies, searching for and designing solutions at projects managed, programming and electronic engineering. Work on live TV programmes.

CO-FOUNDER: Dynamake 2014-2015

Production of 3D printers of own design.

BROADCAST GRAPHICS SPECIALIST: Telewizja Polska S.A. 2011-2014

Programming graphic systems for TV productions and handling live TV programmes.

C++ PROGRAMMER: ArcaBit 2010-2012

C++/C# Programmer at antivirus software company.



EDUCATION

POLISH-JAPANESE INSTITUTE OF INFORMATION TECHNOLOGY:

Warsaw, MSc Network and Mobile Technology 2013, full-time

Graduate dissertation topic: Two-Wheel Self-Balancing Robot

POLISH-JAPANESE INSTITUTE OF INFORMATION TECHNOLOGY:

Warsaw, BA Systems and Network 2011, full-time

Graduate dissertation topic: Smart House Automation System

I hereby agree for processing the following personal information for recruitment in accordance with the regulation regarding the protection of personal data passed on the following date: 29.08.97 r. Journal of Laws 133 pos. 883.



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06.06.1988

SKILLS

PROFESSIONAL SKILLS

C#, C/C++, Java, LUA, MSSQL, JSON, XML, LINQ, SOAP, REST, Regex, WinForms, MVC

3D Printing, CNC machining, mechanical skills, CAD, CAM

Microsoft Visual Studio 2013, Adobe Photoshop CS6, Autodesk Inventor 2014, Eagle 6, TortoiseHg, Git, TFS, Microsoft SQL Server, Corona SDK

Microprocessor Systems, Reprogrammable Circuits, Atmer AVR, Arduino, STM32, GPS Tracking, Building Automation, Wireless Communication, Serial Communication RS-485/RS-232/DMX

Networking, CISCO CCNA, Server Administration

Broadcast TV Production experience

English upper intermediate level

Microsoft
CERTIFIED
Professional

Robert Mordzon

Portfolio



REMOTE VOTING DEVICES

Production of 400 wireless voting devices as well as relevant hardware and software that can be used at TV productions, conferences or similar.

Used at the „Super Dzieciak” TVN TV production amongst others.



HUGE INTERACTIVE CROSSWORD

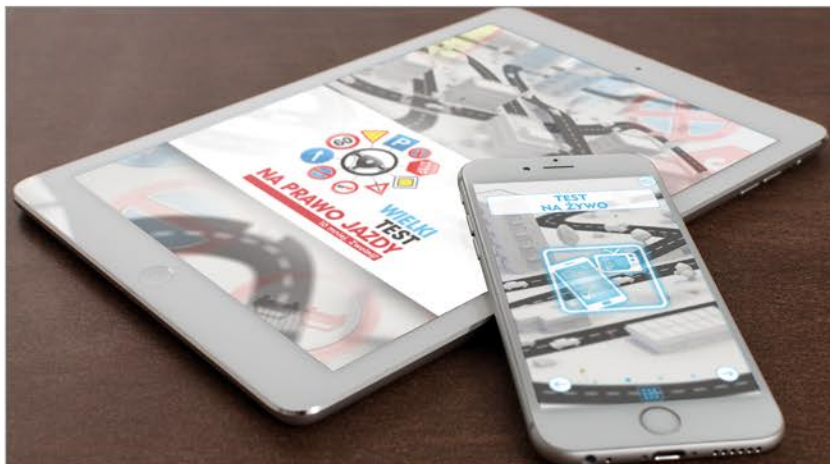
Interactive crossword puzzle in the form of 5mx1.5m table created for the National Muzeum in Warsaw. There are 140 RFID readers which permit the device to detect letter positioning and undertaking specific actions.

Crossword was linked with the multimedia presentation.



DRUKARKA 3D DYNAMAKE TRINITY

Producer and designer of 3D delta type printer from design stage to market implementation in Poland.



WIELKIE TESTY TVP

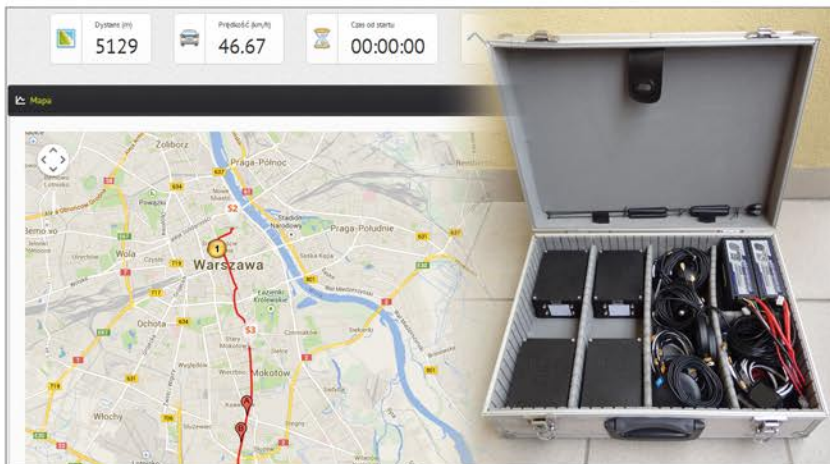
Author of mobile application (Android, iPhone) and server software to „Wielkie Testy” at TVP1 television channel. System allows all viewers to solve an on-line test at the same time as tv stars at the tv studio. Servers can serve up to 100 000 users simultaneously.



MULTIMEDIA BUS STOP

Creation of multimedia bus stop for McDonald's. The bench is like a piano keyboard. If someone sits on a key, the sound is played and back-light is turned on. When people play a special sequence, they win coupon for free meals in McDonald's restaurant.

I made an electronic controller for lighting, sound and bench.



REAL TIME GPS TRACKING SYSTEM

This one was made for special purposes. Mostly for TV transmission from Tour de Pologne cycling race. To meet requirements I designed this tracker to keep two independent GPRS connections to two independent GSM providers simultaneously. So each device has two GPRS modems.

This solution works very well.



GUN PROPS

Scale model created for the advert series for the Wedel company. Two scale models were handmade using numerical control machine tool as well as 3D printing technologies.



VIDEO STREAMING

Comprehensive realisation of video streaming of Red Bull Flugtag (with over 20000 users on-line, 1080p), Nowoczesna political party events (1080p) and other live events.



BROADCAST TV PROGRAMMES

Handling broadcasting of the following TV programmes:

Kawa czy Herbata
Pytanie na Śniadanie
Tomasz Lis na Żywo
Po prostu
TVP Wielki Test
Voice of Poland
Pogoda.pl
Jan Poszepieszalski
Jaka To Melodia and many others.



TELEVISION QUIZ SHOW

Voting systems for TV quiz shows:

Mali Giganci (TVN)
Super Dzieciak (POLSAT)
1z10 (TVP)
TVP Wielki Test (TVP)
Bankomat



SPORTS EVENTS

Tour de Pologne 2012-2016
(GPS Tracking, AMB remote system)
Verva Street Racing
Orlen Marathon (GPS Tracking)
BattleRoyale (1/2 mile racing, data acquisition)
Lekkoatletyka (EVS, spotting)
Żużel (spotting),
Piłka nożna (Ekstraklasa, Euro 2012)
Skoki narciarskie (EVS)
Mistrzostwa Europy w pływaniu