

Curriculum Vitae

Personal Information

First and Last Name: Marek Cel
Place of Residence: Warsaw Area, Poland
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Work Experience

Name of Employer: *ETC-PZL Aerospace Industries (since 2009)*
Position Held: Software Engineer
Main Responsibilities: Development of flight flight simulation software, meeting CS-FSTD requirements, for the purpose of flight training devices. Integration of software components. Testing and servicing flight simulation devices. Analyzing flight tests data. Creating technical documentation.
Most Important Projects:

- ATFS-400 Authentic Tactical Fighting System for USAF
- Spatial Disorientation Trainer
- Flight and Navigation Procedures Trainer Level II MCC for WSOSP
- PZL M28B/PT Full Flight Simulator Level C

Education

Name of University: *Warsaw University of Technology (2012 – 2013)*
Faculty: Electrical Engineering
Course: Methods and Tools of Software Engineering (postgraduate)

Name of University: *Warsaw University of Technology (2010 – 2013)*
Faculty: Power and Aeronautical Engineering
Major: Mechanics and Machine Design
Title of MSc Thesis: Modeling and Simulation of Helicopter Flight

Name of University: *Warsaw University of Technology (2003 – 2009)*
Faculty: Power and Aeronautical Engineering
Major: Aerospace Engineering
Title of BSc Thesis: Software for Estimating Basic Aerodynamic Characteristics of an Aircraft Wing

Courses and Training

Name of Training Organization: *CTPartners (2013)*
Training Subject: Project Management

Name of Training Organization: *CTPartners (2013)*
Training Subject: Data Warehouse

Name of Training Organization: *Nokia Poland (2011)*
Training Subject: Nokia Qt Quick Programming

Name of Training Organization: *Centrum Kompetencyjno Szkoleniowe Unigraphics (2007)*
Training Subject: Unigraphics NX4 – CAD I (Modeling, Drafting, Assemblies)

Name of Training Organization: *Ośrodek Szkolenia Lotniczego FTO/TRTO Aeroklub Warszawski (2004)*

Training Subject: Aviation Training - Theoretical Glider Course PL(G)

Spoken Languages

Polish: Native

English: First Certificate in English (2001)
CEFR Level B2 Examination (2005)

Other Skills and Competence

Engineering Software:

- IDE software (MS Visual Studio, Qt Creator, Android Studio)
- CAD software (AutoCAD, NX, EagleCAD)
- CFD software (Fluent)
- GIS software (GDAL Utilities)
- Simulink and Scilab Xcos
- Mathcad, Maxima

Other Software:

- office suites (MS Office and OpenOffice/LibreOffice)
- graphics software (Blender, Inkscape, GIMP)

Programming Languages:

- C/C++
- Java

Other IT Skills:

- Qt
- OpenGL
- OpenSceneGraph
- DirectX (DirectInput)
- Common Image Generator Interface – CIGI
- X-Plane SDK
- OpenCASCADE
- LibXML
- CMake
- Subversion
- Redmine
- Bugzilla
- DoxyGen
- CppCheck
- Valgrind
- Windows Installer XML Toolset
- AVR microcontrollers
- SQL (transactions, procedures, triggers)
- HTML and CSS
- UML
- Unix-like operating systems (GNU/Linux, FreeBSD, QNX)

Driving Licence: B category