

# Aleksander Zubala | Resumé

al. Komisji Edukacji Narodowej 20/78 – 02-797 Warsaw – Poland  
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## Education

### Warsaw University of Technology

Master of Science in Engineering,

Warsaw

February 2006 – March 2011

Key Courses: Object Oriented Programming, Circuits Theory, Fields and Waves, Logic Circuits, Computer Systems, Basics of Microprocessor Techniques, Signals and Modulation Theory, Electronic Circuits and Systems, Event Driven Programming, Hardware-Software Synthesis of Digital Systems, Digital Signal Processing, Implementation Methods of Digital Signal Processing, Machine Learning, Semantic Analysis of Images and Sounds, Data Compression, Digital Image Processing, Digital Signal Processing, Knowledge Discovery Methods

## Master thesis

**Title:** *Distortion prediction in loss compression of video streams*

**Supervisors:** Prof. Dr Hab. Inż. Artur Przelaskowski

**Description:** Developed method which tries to predict compression distortions based on uncompressed frame. Practical implementation as a plugin to x264 coder.

## Experience

### Vocational

#### Applause Inc.

iOS Lead Software Engineer

Warsaw

September 2014–present

- Designing, developing and maintaining Applause SDK;
- Research and development of new features and products;
- Managing work flow and in-house process;

#### Taptera Inc.

Senior Software Engineer

Warsaw

September 2013–August 2014

- Working on enterprise applications;
- Custom projects for external clients;
- Customer facing;

#### Neofonie Mobile GmbH

Senior Software Engineer

Berlin

April 2012–August 2013

- Lead developer in iOS dev team;
- Creating reliable and beautiful iOS applications for German market;
- Meeting customer demands, knowing platform limitations;

#### Polidea

Software Engineer

Warsaw

June 2010–March 2012

- Development and UI design for the iOS applications, for iPhone, iPad and iPod;
- Contact with the customers and project management;

**Geomant***Junior Software Engineer***Warsaw***August 2009–December 2009*

- Development of JAVA web applications;
- Implementation of a Call Center system;

*Miscellaneous.....***SACEL Polska***Mobile Service Technician***Warsaw***July 2008 – August 2008*

## Languages

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**Polish:** Mother language**English:** Fluent in speaking and writing**German:** Basic**Spanish:** Elementary

## Technical Skills

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**Programming Languages:** Swift, Objective-C, JAVA, C/C++, Python, Ruby, PHP, Signal Processing and DSP programming, Shell Scripting,  $\LaTeX$ **Computer and OS:** Mac OS X, Ubuntu, Windows 9x, XP, Vista, 7,**Software:** Xcode, AppCode, PyCharm, Instruments, Eclipse, Netbeans, Matlab, Version Control Systems: Mercurial and Git, GIMP

## Interesting Projects

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- iPhone application for one of the insurance company in Poland
- iPad application for electronic parts sales reps as part of the development team at Taptera
- Bild.de - 4.0.0 version of the iPad application of the german daily paper
- Digital Concert Hall - classical music concerts in HD video and high fidelity audio live from the Berlin Philharmonie
- iPad application for Austrian newspaper as a member of development team at Neofonie
- Szymanowski - application about famous polish composer for the Adam Mickiewicz Institute
- iOS Framework for complete player of AAC+ audio streams, using existing C library
- Projects for major western Europe clients as a part of the development team in Polidea
- Internal iPad application for pharmacy company for medicines presentations
- Nokaut - as a member of development team, iPhone application for products price comparison - available on AppStore
- Polityka - iPad application for publishing weekly magazine Polityka - available on AppStore