Przemysław Woźniak

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EDUCATION

2015 – 10.2016 **Warsaw University of Technology,** Master Studies
Faculty: **Mechatronics**, Field of study: **Mechatronics**, Specialization: **Photonics Engineering**

My **master thesis** was focused on developing Android-based utility which enables paralyzed people to communicate with the use of specially designed app which tracks eye gaze. **Technologies**: Java, Android SDK, C++, image processing and analysis (OpenCV), Java Native Interface (JNI), Android NDK. **Video** presentation: https://youtu.be/88fD5A-RQ1M

2011 – 2015 **Warsaw University of Technology,** earned **Bachelor of Science in Mechatronics**
Faculty: **Mechatronics**, Field of study: **Mechatronics**, Specialization: **Photonics Engineering**

The final **outcome of my thesis** was a computer program which enables surgeons to take real-world surgical exercises in simulated virtual environment. Immersion was achieved by incorporating stereoscopic 3D view and haptic input via Phantom Omni Device. **Technologies**: C#, Unity.

WORK EXPERIENCE

07.2016 – now **Java Developer at CGI**
I'm a part of a **SCRUM** team, which introduces modern sales solutions based on eCommerce platform SAP **Hybris** for one of the top **telco** companies in Poland. I'm not only implementing new features and modernizing existing ones, but I'm also responsible for code analysis and providing tests, mostly in **TDD** manner. I'm a **fullstack** developer: I'm more into backend, but I can also handle most frontend tasks on my own. **Technologies**: **Java 8**, **Spring**, **Hibernate**, Hybris, JavaScript, HTML, CSS, **jQuery**.

02.2016 – 06.2016 **Android/Java Developer at EFM Sp. z o.o.**
EFM has commissioned me to develop the utility, which was the subject of my master thesis. Furthermore, I've also developed an Android app, which goal was to process, store and present medical measurements in an attractive form. The app communicates with measurement instrument via Bluetooth.

02.2015 – 02.2016 **Co-founder of Blue Djinns Games start-up**
Start-up came into being as a part of AIP (Akademickie Inkubatory Przedsiębiorczości) in order to bring to the market our **puzzle game for Android-powered devices**, **How To Die** (https://goo.gl/ia383g). Besides the graphical assets, the whole production was up to us and made during our free time. **Technologies**: C#, Unity, Blender, GIMP.

07.2014 – 08.2014 **Programmer, Trainee at InPhoTech Sp. z o.o.**
I've developed **computer program for analysis of photonics optical fiber images** taken with scanning electron microscope. **Technologies**: C++, Qt, OpenCV.

03.2014 – 06.2014 **Student Placement at a scientific research project conducted at PED, WUT**
To my duties belonged: carrying out numerical simulations in MatLab connected with development of new type of interferometer, reporting and analysis.

CHOICE OF MY MOST IMPORTANT PROJECTS

- **Intelligent tripod for mobile photography**, incorporating machine vision – early prototype developed. **Technologies**: ARM microcontroller programming (C), Android application, electronics design.
- **Development of software solution for real estate visualization in Virtual Reality**. Presentation for potential customers can be seen on: https://youtu.be/2bFi3zOmYJ8 **Technologies**: C#, Unity, Google Cardboard.
- **Development of programming library for genetic algorithms utilization in C++** and demo Python program which uses it. Final code version with documentation: https://goo.gl/JiUJwP
- Android apps that focus on presenting data get from web APIs (weather, movies).
- Machine vision for electronic components recognition, written purely in C++.
- Invoice recognition software with user-friendly UI (Qt) and Central Statistical Office database connectivity.
- Analysis of sequence of point clouds (3D data) to track kneecap movement for medical diagnosis.

TECHNICAL SKILLS

Programming language	Acquaintance	Practical experience
Java 8	Advanced	web applications – backend, Android apps
JavaScript, HTML, CSS	Advanced	web applications – frontend (including jQuery, **Bootstrap**)
C++	Advanced	image processing and analysis, point clouds analysis, development of programming library for genetic algorithms
C#	Intermediate	many projects in Unity
C	Intermediate	ARM microcontrollers programming
Python	Beginner	simple scripts that simplify everyday operating system usage, data parsers

Other	Tools
- using **Hibernate** and **Spring** on a daily basis - acquaintance with most important **design patterns** - **SQL** – knowledge of commands - **UML** – practical knowledge - **REST** - I work in **SCRUM** - practical knowledge of **Linux**	- version control: **Git** - **tests**: **JUnit**, Mockito, **Spock** - UML: StarUML - IDEs: IntelliJ IDEA, Eclipse - **code documentation**: Doxygen, Javadoc - project management: **Jira**

FOREIGN LANGUAGES

English Advanced knowledge of English (**C1**), **certified with CAE examination**.

ADDITIONAL ACTIVITIES

Development is my DNA. I use **Udacity**, **Coursera** on daily basis. I practice code craftsmanship on **Warsaw Java User Group** meetups. I'm a former **member of two WUT's scientific clubs**: Grupa.NET PW (Microsoft technologies) and SPIE Student Chapter Warsaw (photonics) – I took part in workshops and carried out projects.
I attend **conferences** and **workshops** on scientific and business topics, such as: OPTO Meeting 2014 (01-05.07, Gdańsk), McKinsey Business Academy (2013/2014), IP protection training course organized by JWP Patent & Trademark Attorneys (2014/2015).

HOBBYS

- Hacking culture understood as a way of improving and redefining the usage of commercially available products (please, don't confuse it with cracking).
- New technologies, also in the context of social and economic changes.
- Game development.

I hereby agree for processing the following personal information strictly for recruitment purposes in accordance with the regulation regarding the protection data passed on the following date: 29.08.97r. Dz. U. nr 133 poz. 883