Paulina Kornatowicz

Junior Android Developer

Embedded Software enthusiast

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https:/paulinakornatowicz.github.io/ 🖥

Work Experience

11/2013 - 06/2014   *Wrocław*

Embedded System Developer
LogLabs

Tasks/Achievements
- Development of an embedded application for licence plate recognition in C++ using Qt library and OpenCV

07/2014 - 08/2014   *Wrocław*

Software Developer
Human Dialog

Tasks/Achievements
- Development of a dedicated platform application for task and document flow in C++ and Visual Studio.

10/2014 - 02/2017

Embedded Software Developer
LogLabs

Tasks/Achievements
- Development of an embedded platform for LPR system
- Improvement of a video divider project including testing VHDL and Verilog code, creating scenarios for simulations in Quartus Software with ModelSim Altera
- Development of company's website

08/2016 - 12/2016

Android Intern
Tooploox

Tasks/Achievements
- Development of SnookerApp - an application that saves information to the calendar about snooker matches of user's favorite players
- The application was created using Retrofit, RxJava and Dagger with MVP approach

01/2017 - Present

Junior Android Developer
Tooploox

Tasks/Achievements
- Further development of SnookerApp including new features
- Development of commercial project

Education

2011 - 2015

Bachelor of Computer Science
Wrocław University of Technology

Specialization
- Internet engineering

2015 - 2016

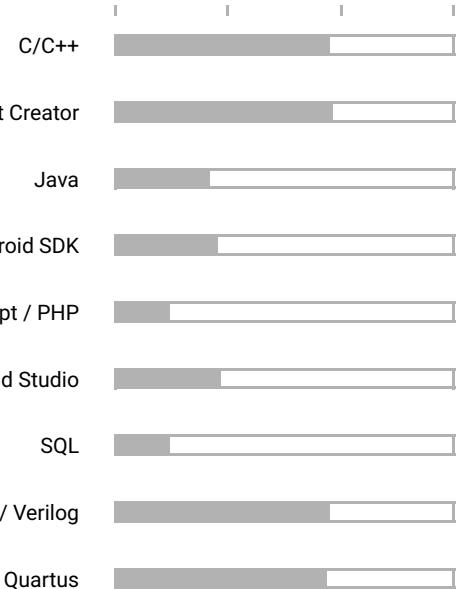### Masters in Electronics
Wrocław University of Technology

Specialization
- Advanced Applied Electronics (studies in English)

Skills & Competences

Skill	Level
C/C++	▰▰▰▰▱
Qt Creator	▰▰▰▰▱
Java	▰▰▱▱▱
Android SDK	▰▰▱▱▱
HTTP / CSS / JavaScript / PHP	▰▱▱▱▱
Android Studio	▰▰▱▱▱
SQL	▰▱▱▱▱
VHDL/ Verilog	▰▰▰▱▱
Xilinx IDE / Quartus	▰▰▰▱▱

Personal Projects

Object Tracking with STM32F4 (02/2013 - 06/2013)
- Using STM32F4 with external LCD display, camera and servos to track objects of specified color

Study of concurrent image processing algorithms for multichannel machine vision system (12/2015 - 06/2016)
- Master thesis project involving using DE1-SoC Evaluation Board to acquire and analyze data from USB cameras connected to the board
- Detecting objects by color and displaying processed data on VGA screen. A web control panel created for configuring the system. Further open source.

DE1-SoC remote panel app (08/2016 - Present)
- Developing an Android application to remotely control the board used in MasterThesis.

Alarm Clock for Samsung Gear Fit (01/2017 - Present)
- Developing an Android application capable of setting the alarm clock fromwearable device in paired phone

SmartLight Android app (02/2017 - Present)
- Developing an Android application that uses Particle Photon Device to control switching of the led strips

Snooker Calculator Android app (02/2017 - Present)
- Developing an Android application that computes the points needed for the plaer to win a frame based on the photo of the table
- The image is sent to a server running on Raspberry Pi where image processing calculations are performed

Languages

English (CAE)
Expert

German
Intermediate

Spanish
Beginner

Interests

snooker | speedcubing | astronomy | MTB cycling | collecting audio CDs