

Aleksander Grzyb

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Employment

Allegro Group

iOS Engineer

Working on Allegro iOS application (in top 20 free apps in Poland). Aside of day to day development I created a Ruby gem that automatically releases our private modules, improved authorization mechanism and introduced fastlane to the project. Moreover I take care of CI server.

Poland, Poznań from September 2015 (current)

Westinghouse Electric Company

Engineering Internship

Prepared analysis of circuit board that collects and processes currents from sensors measuring neutron flux inside nuclear reactor which helped engineers in designing new version of circuit board.

USA, Windsor Locks from June 2014 to October 2014

Business Reporting Advisory Group

iOS Engineer

Implemented algorithm that automatically digitizes text from shop receipt based on its photo. Algorithm is written in C++. For image processing I used OpenCV and for character recognition I used Tesseract OCR engine.

Poland, Poznań from October 2013 to April 2014

Education

Poznań University of Technology

Master's Degree, Computer Science (Intelligent Decision Support Systems specialization)

Thesis title — Spatial coregistration algorithms for angiographic imaging with optical coherence tomography.

Poland, Poznań from February 2014 to October 2015

Poznań University of Technology

Bachelor's Degree, Robotics and Control Engineering

Thesis title — Robot Operating System interface for walking robot (team project).

Poland, Poznań from October 2010 to February 2014

Student Exchange

Tallinn University of Technology

Master's Degree, Computer Science
Estonia, Tallinn for spring semester 2015

Universidad Politécnica de Cartagena

Bachelor's Degree, Robotics and Control Engineering
Spain, Cartagena for fall semester 2012/2013

Recent projects

In April, 2016 I released to the App Store iOS Bimba application. Application is showing real time departures of trams and buses in my home city, Poznań.

Tech — iOS, Swift

In October, 2015 I defended my **master's thesis**. The product of the thesis is a program that automatically stitches set of retinal angiography eye images. Program was written in C++ and is using **OpenCV** for image processing and **libconfig** for parsing configuration file. My work in form of a paper is available here (in Polish) and the software is available in this repository.

Tech — C++, OpenCV

During summer 2015 I created my personal website using **Jekyll** which code is available in this repository.

Tech — HTML, CSS, Jekyll

During student exchange in Tallinn with other students for Software Project course we adapted cross-platform computer program to read data of new university smart cards.

Tech — C++, Qt5

Skills

Product development in team

I am proficient with git version control, **code review** and **scrum** agile software development methodology.

Software development

Proficient — Objective-C, Swift, C++

Prior experience — Ruby, Python, Java, HTML, CSS