Aleksander Grzyb

🖥 aleksandergrzyb.com   📝 github.com/aleksandergrzyb   ✉ aleksander.grzyb@gmail.com   📞 +48 660 218 809

I am a software engineer based in Poznań, Poland. Currently I am working at <u>Allegro</u> on <u>Allegro iOS application</u>.

WORK EXPERIENCE

- <u>**Allegro (Poznań, Poland)**</u> — iOS Engineer — from September 2015 (current)

  Summary: iOS Engineer building <u>Allegro iOS application</u> (alongside with foreign equivalents — <u>Aukro.ua</u> and <u>Aukro.cz</u>). Application is in top 30 free apps in Poland and has over 400k monthly active users. Allegro is the largest marketplace in Poland.

  - Implemented complex UI architecture for showing offer description.
  - Integrated fastlane into continues integration stack.
  - Implemented <u>Ruby gem</u> for automated release of private pods.
  - Implemented remote notification mechanism and invites to the app functionality.
  - Improved OAuth authorization mechanism.
  - Mentored <u>BrainCode</u> mobile hackathon and will mentor upcoming <u>Startup Weekend</u>.

  Tech: Objective-C, Swift, Ruby, continues integration stack (fastlane, Bamboo)
  Teamwork: Scrum methodology, code review, JIRA, Stash

- <u>**Westinghouse Electric Company (Windsor Locks, USA)**</u> — Electrical Engineer Intern — from June 2014 to October 2014

  Summary: Electrical Engineer Intern helping in creation of next generation of circuit board. Internship was a scholarship awarded by prestigious program — <u>**Polish-American Internship Initiative**</u>.

  - Prepared detailed analysis and simulation of circuit board that collects and processes currents from sensors measuring neutron flux inside nuclear reactor.

  Tech: SPICE, circuit analysis

- <u>**Business Reporting Advisory Group (Poznań, Poland)**</u> — iOS/Computer Vision Engineer — from October 2013 to April 2014

  Summary: iOS/Computer Vision Engineer implementing computer vision algorithm and integrating it into the iOS application. Business Reporting Advisory Group is a business analysis company that invested in IT project.

  - Implemented algorithm that was automatically extracting text from shop receipt image via firstly preprocessing the photo taken with camera using OpenCV and secondly converting processed image into machine-encoded text using Tesseract.
  - Integrating algorithm into fully functional application and additionally implemented communication mechanism with back-end in order to correct mistakes after OCR processing.

  Tech: C++, Objective-C, OpenCV, Tesseract
  Teamwork: Scrum methodology, JIRA

RECENT PROJECTS

- <u>**Bimba iOS application**</u>

  In April 2016 I released my private app to the App Store iOS called Bimba. Application is showing real time departures of trams and buses in my home city, Poznań. Since launch, I have constant growth of active users without any marketing. Now it is over 1k active users monthly.

  Tech: Swift

- **Master's Thesis titled "Spatial coregistration algorithms for angiographic imaging with optical coherence tomography."**

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

  Tech: C++, OpenCV

EDUCATION

- <u>Poznań University of Technology (Poznań, Poland)</u> — from February 2014 to October 2015
  Major: Master of Science in Computer Science (Intelligent Decision Support Systems specialization).
  Thesis: "Spatial coregistration algorithms for angiographic imaging with optical coherence tomography."

- <u>Poznań University of Technology (Poznań, Poland)</u> — from October 2010 to February 2014
  Major: Bachelor of Science in Robotics and Control Engineering.
  Thesis: "Robot Operating System interface for walking robot (team project)."

- <u>Tallinn University of Technology</u> — student exchange program in spring semester of 2014/2015
  Major: Computer Science.

- <u>Universidad Politécnica de Cartagena</u> — student exchange program in fall semester of 2012/2013
  Major: Robotics and Control Engineering.