

Jan Horubala

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<http://jonzee.me/resume/>

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Education at University of Warsaw

Master in Computer Science

10/2016 - present

Specialization: *Innovative application of computer science.*

Bachelor in Computer Science

10/2013 - 06/2016

Thesis: *Machine learning algorithms for image recognition in application for beer lovers*, grade 5/5

Responsibilities: project owner of beerit.co, creating an IOS application (Swift 2, then React Native)

Bachelor in Philosophy

10/2010 - 06/2013

Thesis: *The structural sin concept in the context of the Kant's radical evil idea*, grade 5/5

Professional Experience

Web Developer at Daftcode

03/2016 - 07/2016

Developed a bitcoin-based web application using Backbone.js, Handlebars and Django. Creation of user accounts with complex dashboard (Chart.js, Kalendae); render optimization.

Co-founder of MixTube

07/2015 - 10/2015

Created a web application for collaborative party playlist. Won the pre-seed investment in the contest for the [best startup idea](#). Invited to WebSummit in Dublin to Alpha Program. Technologies used: Python, Tornado, React, WebSockets.

Frontend Developer at Laboratorium EE

12/2014 - 03/2015

Developed polona.pl (National Library collections) using Django template, SASS, Javascript. Emphasis on cross-browser compatibility and supporting minimum browser requirements.

Student Intern at Kalicinsky.com

07/2014 - 09/2014

Participated in rewriting przepisy.pl using HTML5, CSS3, SASS, jQuery, Jade and Backbone.js.

Personal and Academic Projects

SendMe, iOS & Android Application

08/2016 - present

Creation of mobile application for fetching photos from social networks (Facebook, Instagram) and sending them to a digital photo frame. Used React Native, Java, Android Studio, Xcode.

Java-C Interpreter, *Programming Languages and Paradigms*

7/2016

Designed and implemented a new language with C-like syntax and functionality similar to Javascript, using BNF Converter for lexer and parser. Written in Haskell using Monads.

mDNS Server and Client, *Computer networks*

6/2015

Implemented mDNS server, that discovers clients in local network and measures TCP and UDP delays. Task required reading RFC documentation and low-level programming in C.

Readers-writer lock for Minix OS, *Operating systems*

01/2015

Created a patch for Minix with readers-writer lock. Task required knowing source code of kernel.

Hackathons and volunteers

Beacon Valley Hackathon in Krakow, Awarded

06/2015

Created beacon-based service discovery for office (controlling printer, projector, laptop via app)

Member of the Polish Scouting and Guiding Association

09/2000 - 09/2010

Awarded as the camp commandant with the most numerous participants in the district in 2009.