

# Pavel Kucherbaev

Title: *PhD Student*

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## EDUCATION

Period	University	Specialization	Position
09.2012 present	University of Trento Italy	Human Computer Interaction, Crowdsourcing	PhD Student
01.2013 present	European Institution of Innovation & Technology	Entrepreneurship, Quality of Life	PhD Student
10.2011 06.2013	Ufa State Aviation Technical University Russia	System Analysis	PhD Student
09.2009 07.2011	Ufa State Aviation Technical University Russia	Computer Science	Master of Science
09.2004 07.2009	Ufa State Aviation Technical University Russia	Computer Science	Bachelor of Science

## PUBLICATIONS ([scholar.google.com/citations?user=nfggFDIAAAAJ](https://scholar.google.com/citations?user=nfggFDIAAAAJ))

Year	Publication
2014	<u>Effective Tasks Navigation in Crowdsourcing</u> P. Kucherbaev, F. Daniel, M. Marchese, F. Casati, B. Reavey ACM proceedings of the AVI 2014 conference
2013	<u>Keep it simple: Reward and task design in crowdsourcing</u> A. Finnerty, P. Kucherbaev, S. Tranquillini, G. Convertino Proceedings of the Biannual Conference of the Italian Chapter of SIGCHI
2013	<u>Business Processes for the Crowd Computer</u> P. Kucherbaev, S. Tranquillini, F. Daniel, F. Casati, M. Marchese, M. Brambilla, P. Fraternali Business Process Management Workshops, 256-267

## EXPERIENCE

Period	Company	Industry	Role
09.2013 11.2013	<b>CROWDFLOWER</b> CA USA	Micro-task market	<i>Visiting Researcher</i> – conducted studies about the way workers on crowdsourcing platforms search for tasks to work on.
10.2011 08.2012	<b>UNITN</b> Italy	Academia	<i>Research Assistant</i> – did a research of modeling business processes for crowdsourcing tasks.
08.2010 10.2011	<b>UFANET</b> Russia	Telecom	<i>Senior Software Developer</i> – designed and developed corporate web services in close collaboration with financial department.
03.2010 07.2010	<b>UFANET</b> Russia	Telecom	<i>Software Developer</i> – designed and developed corporate web services in close collaboration with financial department.
08.2009 03.2010	<b>UFANET</b> Russia	Telecom	<i>Junior Software Developer</i> – designed and developed corporate web services in close collaboration with financial department.
04.2009 08.2009	<b>UTV</b> Russia	Television	<i>Journalist</i> – wrote scripts, texts, made interviews, overviews of ongoing events in the Ufa city.
08.2008 10.2011	<b>MOON EXPRESS</b> Russia	Space observation	<i>CEO, Founder</i> – organized demonstrations of astronomical objects to people in public spaces in the Ufa city.
06.2007 10.2007	<b>KFC</b> VA USA	Fast food	<i>Shift Supervisor</i> at the Kentucky Fried Chicken as a part of the <i>Work&amp;Travel</i> exchange program experience
06.2007 08.2007	<b>ROADSIDE</b> VA USA	Interstate maintaining	<i>A leader of a crew</i> , which took care of lawns along highways in Virginia State.

## INITIATIVES & PROJECTS

Project	Role
<b>CrowdCafe.io</b>	Founder, technical and business developer of the mobile crowdsourcing platform. This project is performed in frame of the PhD program. Technologies used: <i>Django</i> , <i>Amazon S3</i> , <i>Framework7</i> . The code is opensource.
<b>Codesign.io</b>	Founder and developer of the service for visual collaboration between designers, developers and project-managers. Technologies used: <i>Django</i> , <i>Twitter Bootstrap</i> , <i>Tilda.cc</i>

<b>Taple.co</b>	Front-end developer of the service for classification images by adding machine & human generated tags. Developed on <u>Launch.Hackathon</u> in San Francisco. Technologies used: <i>Firestore, PHP, Amazon EC2, S3, Twitter Bootstrap, CrowdFlower API, Instagram API</i>
<b>Smartwall.com</b>	CTO at the service for improving the engagement of event participants by creating interactive real-time walls of messages from social networks. Technologies used: <i>Django, Amazon S3, Twitter Bootstrap, Twitter API, Instagram API</i>
<b>CrowdComputer.org</b>	Developer and researcher of the academic platform for creating crowdsourcing applications. Technologies used: <i>Amazon Mechanical Turk, Django, TwitterBootstrap, BPMN, Activity</i>
<b>Socialfeed</b>	Author of the open-source jQuery plugin that shows a timeline from the most popular social networks. Technologies used: <i>jQuery, API of several social networks</i> <a href="https://github.com/pavelk2/social-feed">https://github.com/pavelk2/social-feed</a>
<b>DoltNice</b>	Designer and developer of social task manager project for Designing Calm PhD class by <u>Neema Moraveji</u> . Technologies used: <i>jQuery, Twitter Bootstrap, PHP, Flickr API</i> <a href="http://one.kucherbaev.com">http://one.kucherbaev.com</a>
<b>Showitme.com</b>	A developer of the website for organizing bookmarks. InnovAction LAB 2012 finalist (Italian national entrepreneurial contest), first prize in Trento session. Technologies used: <i>PHP, MySQL, jQuery, Twitter Bootstrap</i> .
<b>LiveTrack</b>	Creator of the video-proposal of context-aware music player for smartphones. This video was a part of an application to the European Institution of Innovation, which helped to get the top rank in this enrollment. Technologies used: <i>iMovie</i> <a href="http://youtu.be/xJfS1v4Pf8I">http://youtu.be/xJfS1v4Pf8I</a>
<b>WiseMusic</b>	Designer and developer the crowdsourcing music classification project for Business Intelligence class. Technologies used: <i>Twitter Bootstrap, PHP, MySql, Facebook API</i> . <a href="http://kucherbaev.com/research/wisemusic/">http://kucherbaev.com/research/wisemusic/</a>
<b>Stikerton.com</b>	Developer of the local marketplace to sell/buy/exchange items. Technologies used: <i>PHP, MySQL, Twitter Bootstrap, jQuery</i> .

## SKILLS (practice on daily basis)

**Python (Django)** – starting from 2011 developed a set of websites (*CrowdCafe, Codesign, Smartwall, CrowdComputer*) using this framework. Cannot imagine my life without *pip install packagename*.

**JavaScript (jQuery)** – starting from 2009 developed front side of almost all the websites using it from the “initiatives&projects” list.

**HTML, CSS** – use a variety of plugins and UI frameworks, such as *Twitter Bootstrap, FlatUI, Startup Design Framework, Framework7*.

**UNIX** – manage servers for my projects deployed on *UBUNTU* on *DigitalOcean* and *Amazon EC2*.

**GIT** – host code on *GitHub* (profile: <https://github.com/pavelk2>) and *Bitbucket*. Visited the headquarters of the both companies.

**MySQL** – mostly use this DBMS in projects.

**LaTeX** – since I became a research assistant at the University of Trento, I prepare all the deliverables longer than 2 pages (besides this CV) with *LaTeX* using *Sublime Text 2* (along with the other code).

## SKILLS (from the past)

**PHP** – starting from 2008 used it for developing server-side of web-applications until 2011, when I started to mostly use *Python*,

**MSSQL** – while I was working at Ufanet, this was the primary DBMS. Has an experience of designing complex queries and OLAP cubes.

**C++** - starting from 2004 developed all the academic undergraduate projects with it.

**Visual Basic and Pascal** – developed several *console* and *GUI* games, with which won a set of prizes on regional school competitions.

**3DMAX** – starting from 1996 spent all the childhood designing 3D objects and scenes.

## COURSES & COMPETITIONS

“**Launch.Hackathon**” – participated with a project *Table.co* in one of the biggest hackathons, which took place in San Francisco (November 2013).

“**PhD on the Move**” – won a scholarship for an internship abroad. Went to *CrowdFlower* at San Francisco (September 2013).

**“Introduction to Irrational Behavior”** – followed the online course on Coursera by Dan Ariely (2013)

**“InnovAction Lab”** – won the first prize in the entrepreneurial competition in Trento with a project Showitme.com. Participated in the national Italian competition in Rome (2012).

**Startup Weekend Trento** – participated with the idea of mobile application for instant car pooling (March 2012).

**Artificial Intelligence** online course by Sebastian Thrun and Peter Norvig [certificate](#) (2011)

## NATURAL LANGUAGES

**English** – full professional proficiency,

**Russian** – mother tongue,

**Italian** – elementary proficiency.

## INTERESTS

Astronomy, geometrically elegant photography, long bicycle trips, hardware creation (e.g. Arduino), industrial design.

## PASSION

*“Creating things”* – whether it is an innovative web service, a profitable business or an emotional article – is what I Do love. In 2008 I started my first business, showing the Moon through a set of telescopes to people in public places in my native city. In the end I showed the Moon to several thousands of people, having only 4 people who said that they were not really excited and 0 not satisfied customers. I am passionate about making this world better place.