

# Ekaterina Tuzova

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Email: [kt@jetbrains.com](mailto:kt@jetbrains.com)  
Github: [@ktisha](#)

## Professional Experience

10/2010 – present      Jetbrains, St. Petersburg, Russia  
Software Developer  
Projects: PyCharm(Python IDE), PyCharm Educational Edition

07/2010 – 09/2010      The European Bioinformatics Institute (EBI), Cambridge, UK  
Trainee  
Project: The functionality “similar experiments” in search engine.

09/2007 – 06/2009      A.F. Ioffe Physico-Technical Institute, St. Petersburg, Russia  
Junior researcher  
Project: Switching and memory effects in composite films based  
on conducting polymers and inorganic nanoparticles

## Teaching

09/2014 – present      Academic University, St. Petersburg, Russia  
Lecturer ([Machine learning](#))

2012 – 2013              Computer Science Center, St. Petersburg, Russia  
Lecturer ([Python](#))

09/2010 – present      Computer Science Center, St. Petersburg, Russia  
Academic University, St. Petersburg, Russia  
Project supervisor

## Selected student research projects

2014 – 2015              [Type inference for R language in IntelliJ IDEA](#)  
[R debugger in IntelliJ IDEA](#)  
[CheckIO integration for PyCharm Educational](#)  
[Package management for R](#)  
[Interactive plotting for PyCharm](#)

2013 – 2014              [Object class recognition](#)  
[Character movements graph](#)  
[Audio stream to notes converter](#)

2012 – 2013      Human emotions detector  
Twitter sentiment analysis  
Emacs Lisp runtime for IntelliJ

2011 – 2012      Ebook searching tool

2010 – 2011      Panorama parts recognition

## **Education**

2008 – 2010      Academic University of the Russian Academy of Sciences,  
St. Petersburg, Russia  
M.Sc in Information  
Thesis: “Ebooks searching, reading, managing system.”

2004 – 2008      St. Petersburg St. Polytechnic University, St. Petersburg, Russia  
B.Sc in Microelectronics

## **Languages**

English (advanced), Russian (native)