NIKITA KOROBKOV

Boston, MA
(650)-695-9710
nikkorobk@gmail.com
github.com/nkorobkov
linkedin.com/in/nkorobkov/

Software Engineer *with work experience.*

EDUCATION

SAINT-PETERSBURG STATE UNIVERSITY *Saint-Petersburg (2014 - 2019)*
http://english.spbu.ru/

Bachelor's degree in Computer Science and Applied Mathematics from Saint-Petersburg State University.

- **GPA:** 4.8 / 5.0
- **Related Coursework**: Discrete math, Object-oriented programming, Relational databases, Algorithms and data structures, Neural-networks, Document classification, Image processing, Information models.

ONLINE COURSES
In 2016-2017 took a gap year from university to gain work experience. Completed more than 10 online courses during this period. Topics included Python programming, Java programming, Advanced statistics with R, Web-technologies, Databases, Algorithms and data structures.
Full list of completed courses can be found at: stepic.org/users/808784

TECHNICAL SKILLS

- **Languages:** Python (Django, Scrapy, Numpy, PyTorch, OpenCV, Jupyter), Java (Spring, Hibernate, Maven), R (dplyr), MatLab, bash, SQL.
- **WEB:** HTML, CSS, JavaScript (JQuery, AngularJS, React), Jekyll.
- **Tools:** Git, Docker, AWS, SourceTree, JIRA, Trello, PyCharm, RStudio, InteliJ IDEA, Markdown.

EXPERIENCE & PROJECTS

- **Internship in the Natera software development team.** January - July 2017 backend software development at Natera (natera.com). Maintenance tasks for enterprise applications written in Java / Spring and AngularJS. Developed a separate web application to collect data from multiple databases and present it to the research team using Hibernate and HSQLDB.
- **Image segmentation of mouse brain shots.** February - April 2018. Developed and implemented an algorithm to perform segmentation of images of mouse brains using OpenCV and Jupyter. Extracted information about the size and structure of individual cells from the noisy images. The algorithm was presented at several scientific conferences. Full list: github.com/nkorobkov/microglia-or

- **Django based web banking system.** July 2016/2017. Developed and deployed virtual currency/banking/economic modelling application for virtual money operations for the Summer School of Physics and Math. Used Python and Django. The system was successfully used by more than 400 users for the 3-week school sessions in 2016-2019.
- **Transfer learning for dialog systems.** March - May 2019. A research project devoted to the exploration of transfer learning possibilities in an intent classification task. Build and tested different NLP models based on neural nets with recurrent and convolutional layers. github.com/nkorobkov/transfer-learning-for-dialog-systems
- **Non-technical online course.** April 2017. Created an entertaining online course. On Oct 2019 the course is rated 4.9 out of 5 and has more than 3000 students. stepik.org/course/2438
- **Python teacher at summer school.** Taught a 3-week course of Python programming for 9-11 grade students. Twice in 2017 and 2018.

Green Card holder, authorized to work in the United States