NIKITA KOROBKOV

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Software Engineer with experience in backend development

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.

TECHNICAL SKILLS

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

WORK EXPERIENCE & PROJECTS

- **Java Software Engineer Intern at Natera software development team.** *Jan 2017 - Jul 2017*
  - Improved team-to-team interaction by developing a web application to collect data from multiple databases and present it to the research team using **Hibernate** and **SQL**.
  - Supported an internal application at Natera. Collected business requirements from the research team and implemented it in code using **Java / Spring** and **AngularJS**.

- **Software Engineer at Summer Physical and Mathematical School.** *Aug 2016, Aug 2017, Aug 2018*
  - Designed and Developed a full-sized web application to support a gamification system that was previously run on Excel spreadsheets. Used **Python** and **Django.** GitHub
  - Eliminated all game-related paperwork for more than 35 members of the staff team.
  - Raised students engagement by providing a faster feedback loop.
  - The system was successfully used by more than 400 users for the 3-week school sessions in 2016-2019.

- **Object recognition on mouse brain shots.** GitHub *Feb 2018 - Apr 2018*
  - Developed tool necessary to conduct research of mouse brains using **Python** and **OpenCV**.
  - Extracted information about the size and structure of individual cells from the noisy images.
  - The algorithm was presented at several scientific conferences.

- **Transfer learning for dialog systems.** GitHub *Mar 2019 - 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.

- **Co-Managing Director of Summer Physical and Mathematical School.** *May 2019 - Aug 2019*
  - Managed the 3-week intensive onsite learning program for the pre-selected most talented students 15-17 yo, mostly winners of Math and Physics olympiads.
  - Supervised the team of 35 teachers, hired 11 new staff members.
  - Managed a highly competitive student selection process. This process selected the 100 best students to participate in the program.

- **Python teacher at Summer Physical and Mathematical School.** *Aug 2016, Aug 2017, Aug 2018*
  - Taught a 3-week course of Python programming for 9-12 grade students.
  - One of my students from 2016 is competing in ACM ICPC finals in 2019.

- **Non-technical online course.** *Apr 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

Green Card holder, authorized to work in the United States