

Sedukhin Oleg Andreevich

26 years old

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Education

2013.09 – 2018.06.

Master's degree from Department of Information Technologies, Novosibirsk State University

2013.09 – 2018.06. Bachelor's degree from FIT NSU (Faculty of Information Technologies of Novosibirsk State University). Field of study: computer science and computer engineering. The topic of the bachelor's qualification work: "Making an Internet resource for educational materials sharing between students of the university ". Scientific supervisor: Gorodnyaya Lidiya Vasilyevna, associate professor of MMF NSU.

2018.06-2021.06. Master's degree from FIT NSU, 2021. Field of study: computer science and computer engineering, specialization: software development technologies. The topic of the Master's qualification work: "A development of emotion recognition methods based on the analysis of video and audio streams using a semantic user model." Scientific supervisor: Dmitry Evgenievich Palchunov, Ph.D., Associate Professor, Head of the Department of General Informatics of the FIT NSU, leading researcher at the Laboratory of Computability Theory and Applied Logic, SB RAS.

Work experience

SkillFactory (oct 2020 – present) – mentoring projects related to machine learning, website parsing, computer vision.

ApRBot (oct-nov 2020) – programmer, worked on extracting structured information from texts; quit this job to finish my master's degree at NSU.

SkillBox (nov-dec 2021) - teacher on the Data Science course.

Skills

Python, keras, tensorflow, numpy, pandas, matplotlib, sklearn, object-oriented programming, Adobe Photoshop, math, statistics, linux shell, TPU, image processing

I would like to work on complex projects in the field of machine learning. I try to write clear, concise code, read scientific articles and write blog posts and paper reviews on my website (in Russian language, plan to make English versions).

English level

Sufficient for talking and reading scientific papers and documentation. During testing, it was determined as level B2. Have some problems in listening skills.

Additional education and projects

1. Emotion recognition by video recordings (master's thesis, 2021)

Instruments: python, keras, tensorflow, numpy, pandas, matplotlib, OpenFace, OpenSmile, OpenPose, Sphinx, lexicons; worked with many datasets, fully connected networks, recurrent networks, transformers, convolutional networks, AutoML, triplet loss, feature selection, visualization.

[Text of thesis](#)

[Code of thesis](#)

2. Learned neural networks at online school SkillFactory (2020)

Fully connected, convolutional, recurrent networks. Computer vision project (in-class Kaggle competition, 1-st place).

[Kaggle profile](#)

3. Work in SkillFactory company (Oct. 2020 – present)

Mentoring projects related to machine learning, website parsing, computer vision. Webinars on linear algebra, calculus, math. statistics, numpy. Development of educational courses. Creating [Kaggle competition](#) for captcha recognition.

5. Developing NSU online library web app (bachelor's thesis, 2018).

Instruments: HTML5, CSS, Javascript, jQuery, AJAX, PHP, MySQL

6. Development of a stepper motor control program (2019-2020; Arduino, C).

7. Some experience at extracting structured information from texts (natasha, pymorphy2, yargy).

8. Author of Keras course for SkillFactory: <http://www.generalized.ru/keras.pdf>

Other information

Used to write a lot on Java language (simple graphical apps, website parsing etc.). Ruby (university course). Mobile development (university course). Great experience working with game physics on Source engine (timers, callbacks, scenarios, physical modeling, mathematical algorithms, library development, used Squirrel script language and studied C++ code).