

Fedor Chernogorsky

Bachelor Student in Computer Science



CHern0g0r



Fedor Chernogorsky



fyodorchernogor@gmail.com



+79216694761

EXPERIENCE

KEENTOOLS | INTERN RESEARCHER

Jul 2021 – Oct 2021 | Saint Petersburg, Russia

- Studied modern approaches in DeepFake.
- Implemented learning process of Few-Shot Reenactment model.
- Developed prototype allowing to apply the model for manual face reenactment.

YANDEX | INTERN SOFTWARE DEVELOPER

Oct 2020 – Apr 2021 | Saint Petersburg, Russia

- Developed and improved a solution for internal support organization based on Python Telegram API.
- Implemented a pipeline for analyzing statistics of calls to support and quality of support team answers.
- Developed a tool that analyzes and predicts required quantity of commercial licenses to order for the next time period.

PROJECTS

CRYTEK SPONZA VISUALIZATION | C++, OpenGL

2021

- Implemented a reader for Wavefront .obj file to set the position of objects on the scene.
- Implemented a reader for Material Template Library format to describe surface shading (material) properties.
- Implemented an OpenGL renderer capable of rendering scenes with various objects, light source.

CAMERATRACKER | PYTHON, OPENCV

2020

- Implemented detection and tracking of keypoints on sequence of images with OpenCV library.
- Implemented initialization of camera position by two keyframes.
- Implemented camera tracking by solving the Pnp problem.
- Applied triangulation for reconstruction of cloud of 3d points.
- Implemented refinement of result by solving the Bundle adjustment problem.

GRAPHABASE | PYTHON

2020

- Applied the CYK algorithm to Reachability With Context Free Restrictions in Oriented Graphs problem.
- Applied the algorithms based on matrix and tensor product to Reachability With Context Free Restrictions in Oriented Graphs problem.
- Applied the ANTLR parser generator for construction of custom query language for graph database.

SKILLS

PROGRAMMING

Proficient:

Python • C++ • C
SQL • L^AT_EX

Experienced:

Kotlin • GoLang • Haskell

Familiar:

Java • Bash • Scala

LIBRARIES/Frameworks

PyTorch • OpenCV • PyTest
MongoDB •

TOOLS/PLATFORMS

Git • Docker • OpenGL
CMake • Linux

EDUCATION

ST PETERSBURG STATE UNIVERSITY

BACHELOR'S IN COMPUTER SCIENCE

Sep, 2018 - Jun, 2022 | Saint Petersburg,

Russia

Faculty of Mathematics and
Computer Science

Cum. GPA: 4.69 / 5.0

COURSEWORK

- Machine Learning, Deep Learning, Image Analysis
- Computer Graphics, 3D Computer Vision
- Algorithms and Data Structures, Complexity Theory
- Computer Architecture, Operating Systems, Software Engineering