

Tornike Onoprishvili

Data Scientist

Designs and tests intelligent systems.



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WORK EXPERIENCE

Data Scientist

Orient Logic Ltd.

04/2019 – Present

Tbilisi, Georgia

Hardware and software solutions. IT infrastructure and Custom Software Development.

Achievements/Tasks

- Developed a Chat-bot in Watson studio
- Created a Face recognition system in OpenCV
- Designed a Card fraud detection system

Lecturer

Free university of Tbilisi

03/2019 – Present

Tbilisi

Achievements/Tasks

- Delivered "Fundamentals of Electrical and Computer Engineering" in spring 2020

EDUCATION

MACS - Engineering

Free university of Tbilisi

09/2015 – 07/2019

GPA - 3.56

Thesis

- Functional all-optical logic gates for true time-domain signal processing in nonlinear photonic crystal waveguides
- Realization of true all-optical AND logic gate based on nonlinear coupled air-hole type photonic crystal waveguides

Hands on Machine Learning 2

Free university (student group)

11/2019 – 05/2020

Topics

- Tensorflow 2 and TFX for modeling and deploying
- Scikit-learn and XGBoost for simpler ML problems
- Matplotlib for visualisation
- Pandas for structured data manipulation

SKILLS

Mathematics

Python

Matlab

Scikit-learn

Tensorflow2

Django

Docker

Github

SQL

HTM/CSS/JS

PERSONAL PROJECTS

Educational YouTube Channel (05/2017 – Present)

- Learning web development

Superlists - Educational TDD (02/2020 – Present)

- Learning TDD, Deployment
- Learning Python-Django

Nailbiter (Unfinished) (01/2020 – Present)

- Using CNN to detect when user is biting their fingers with webcam

RESEARCH PAPERS

Realization of true all-optical AND logic gate based on nonlinear coupled air-hole type photonic crystal waveguides (04/2016 – 09/2017)

Designing laser-powered logical gates to build and AND gate. (One of the basic atoms for any computing system).

Functional all-optical logic gates for true time-domain signal processing in nonlinear photonic crystal waveguides (06/2017 – 03/2020)

Designing an optical NAND gate previous research. Any computing system may be built using many NAND gates.

LANGUAGES

English

Full Professional Proficiency

Russian

Professional Working Proficiency

Georgian

Native or Bilingual Proficiency

INTERESTS

Computer gaming

GAN Learning

Music

Computer architecture