# **ANTON LIOZNOV**

# **MSc Physics**

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## **WORK EXPERIENCE**

## **Engineering intern**

**OKKO** - Online cinema

## 2014, summer

- Worked on optimization of interaction with external sources
- Achieved 10x speed of interaction
- Improved search quality

Java Grails Postgresql Git

# **Physics Teacher**

Formula de Integro - multidisciplinary summer camp

## 2015, summer; 2016, winter

- Used various approaches to explain the material
- Prepared the program from the scratch

# **Engineering intern**

Papeeria - Online LATEX editor

## 2017, summer

Adding UI for working with git merge conflicts

Java Coffeescript Docker LESS

# **PROJECTS**

# Online course "Programming basics for Linux"

Stepik - educational platform

**2016** 

 Worked on the server part of the task verification system and the RESTful API

Python Docker

# Leadership and development

Vozhatnik - the biggest community of camp tutors in VKontakte

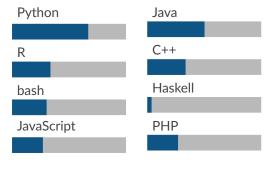
## 2016 - ongoing

- Created a site and an automation of the system
- Collecting statistics

PHP YII2 JS mySQL Python R Slack

## **SKILLS**

# **Programming languages**



## Soft skills

teamwork – for a month 24/7 I lived in a closed team

leadership – organized a trip of a group of students with the expedition of the State Hermitage Museum

processing and submission of information

 had teaching experience, coached trainings, passed a course of public speaking

Upper Intermediate English

## **Technologies**

Parallel programing O, Web O, Data
Bases O, Machine Learning O, Modeling O

#### FIELDS OF INTEREST

- Data Mining
- Space Physics
- Automation of Processes

#### **EDUCATION**

# Master of Science in Physics

## St.Petersburg Polytechnic University

**2015 - 2017** 

graduated with honours

**Department** of space research

**Thesis:** "The influence of heavy helium isotopes on the processes of Big Bang nucleosynthesis"

Python scipy

# **Bachelor of Science in Physics**

## St.Petersburg Polytechnic University

**2011 - 2015** 

**Department** of space research

**Thesis**: "Computer simulation of acceleration of cosmic rays on the fronts of supernova wave"



# **Software Engineering**

**Computer Science Center** – night school, created by Yandex and JetBrains

**2012 - 2015** 

compscicenter.ru/users/415/

## **PUBLICATIONS**

# Conference Proceedings

• Gladilin, Peter and Anton Lioznov (2016). "The Comparison of Numerical Approaches of Simulation of the Acceleration of Particles on Shock Waves." In: *PhysicA.SPb*.

## **PARTICIPATION IN EVENTS**

# Olympiad "Master degree of MIPT"

**MIPT** – olympiad for Master's degree applicants in Moscow Institute of Physics and Technology

## 2015, winter

- diploma of the second degree in mathematics
- absolute first place in physics

## Hackathon

**GoToHack** – data mining in education focused hackathon

**2016**, fall

- a prototype of the system of sorting comments in Stepik platform in order of importance of teacher answer was developed.
- github.com/Lavton/gotohack\_stepik



## **HOBBIES**

Ultimate Freesbe – As a developing and interesting sport

Teaching – As a way to decompose and transmit information

Archeology – As an opportunity to relax from the hustle and bustle

Psychology – As a way to better understand people and yourself