aalyaki1@jhu.edu   ANTON ALYAKIN   3215 N Charles St.

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EDUCATION

Johns Hopkins University   Baltimore, MD

Bachelor of Science in Computer Science, Applied Math and Statistics   Expected May 2019

- Dean's List Fall 2015 – Spring 2018

TASIS The American School In Switzerland   Lugano, TI, Switzerland

American High School Diploma   May 2015

Cumulative GPA: 4.0, Valedictorian

- 2015 The Excellence in Mathematics Award

RESEARCH

Neuroengineering and Bioinstrumentation Lab (Thakor Lab)   July 2016 - January 2017

JHU Department of Biomedical Engineering

- Worked on attaching the tactile sensors to a 3-D printed prosthetic hand.
- Developed the MATLAB prototypes the algorithms for the Heart Rate Variability with Deep Breathing Analysis mobile app for Android and iOS platforms.

Machine Learning and Healthcare Lab (Saria Lab)   May 2017 – Present

JHU Department of Computer Science

- Currently working on predicting adverse outcomes such as cardiogenic shock using statistical learning techniques from Electronic Health Records data.

TEACHING

JHU Department of Applied Mathematics and Statistics   August 2018 - Present

- Worked as a Teaching Assistant for the Data Mining course.
- Taught a weekly recitation section to 30 people, hold weekly office hours, graded assignments.

VOLUNTEERING

Thread, Inc.   January 2016 - Present

- A part of the "family" of volunteers who tutor, guide and provide both academic and social support for a local teenager who is failing in high school

Baltimore Rescue Mission Clinic   January 2017 – October 2017

- Volunteered at the local shelter clinic helping diagnose and treat patients.
- Helped performing a variety of medical procedures, including measuring blood pressure and blood sugar, lung examination, EKG and giving flu shots.
- Helped organizing the implementation and sustaining of the Electronic Health Records system

OTHER SKILLS

- Languages: Native Russian Speaker, Fluent in English
- Computer Languages: Python, MATLAB, R, SQL, Java, C, C++