

ANTON ALYAKIN

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319A Clark Hall, 3400 North Charles Street, Baltimore, MD, 21218

EDUCATION

Johns Hopkins University

Expected December 2019

Master of Science in Engineering (M.S.E), Applied Mathematics and Statistics

- Thesis topic: “LqRT: A robust Lq-likelihood-ratio-type test in Python”

Johns Hopkins University

May 2019

Bachelor of Science (B.S.), Computer Science and Applied Mathematics and Statistics

GPA: 3.96

- Departmental Honors with Thesis, Computer Science
 - Thesis topic: ‘Motif Discovery in the Irregularly Sampled Time Series Data’
- Departmental Honors, Applied Mathematics and Statistics
- 2019 Applied Mathematics and Statistics Achievement Award
- Fall 2015 - Spring 2019: Whitening School of Engineering Dean’s List.

TASIS The American School In Switzerland

May 2015

American High School Diploma

GPA: 4.00, Valedictorian

- 2015 AP Scholar with Distinction
- 2015 The Excellence in Mathematics Award

RESEARCH EXPERIENCE

JHU Department of Applied Mathematics and Statistics

May 2019 - Present

Research Assistant

- Worked under the supervision of Prof. Carey E. Priebe on the problems in classical statistics, such as hypothesis testing, mixture estimates and statistical inference on graphs.

Machine Learning and Healthcare Lab (Saria Lab)

May 2017 - May 2019

Research Assistant

- Worked 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

September 2019 - May 2019

Teaching Assistant

- Worked as a Teaching Assistant for the 553.463/663 Data Mining (Fall 2018) and 553.430/630 Intro to Statistics (Spring 2019) courses.

VOLUNTEERING

Johns Hopkins Hospital Emergency Room

June 2019 - Present

- Volunteered weekly at the Bayview Emergency Department.
- Primary task included surveying patients’ for the Baltimore Accountable Health Community program, aimed at better understanding their experiences within and outside the department, as well as referring eligible patients to the Healthcare Access Maryland.
- Assisted with quality assurance rounding, assisting patients with additional comfort measures such as blankets, food, and a helping hand.

Baltimore Rescue Mission Clinic

January 2017 - October 2017

- 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