

Nikita Sidorchuk

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EXPERIENCE

Eurekii, Towson, MD — *Math and English Tutor*

April 2020 - PRESENT

Work tutoring children ages 9-18 and develop projects to help with school enrichment. Transitioned to work on a volunteer basis in January 2021.

United States Department of Agriculture, Beltsville, MD — *Biological Research Aid*

June 2017 - August 2019

Helped to conduct experiments in Soil Plant Atmosphere Research (SPAR) chambers. Tended to a variety of plants. Maintained, repaired, and installed various equipment such as soil moisture measurement systems.

EDUCATION

University of Texas at Austin

August 2018 - Present

Pursuing a B.S. in Mathematics and a certificate in 'Scientific Computation and Data Science'

Atholton High School, Columbia, MD

August 2014 - May 2018

RESEARCH PROJECTS

Computational Biology and Bioinformatics

Spring 2021

Homelessness in Austin, Texas by Demographics and Housing Circumstances, An Exploratory Data Analysis

Statistical Modeling and Classification of Star Types based on Physical Properties

Physical Oceanography

Spring 2021

Ice sheet-Ocean Interactions and Relevant Numerical Modeling Literature Review

SKILLS

Fluent in Russian (speaking and reading)

Proficient with Python and C++, familiar with R and Fortran

Advanced SCUBA Diving Certification

Extensive chemistry and biology lab experience

AWARDS

British American Foundation of Texas Scholarship to be applied to study abroad at the University of Edinburgh

Scholastic Excellence Award from the American Legion for tutoring work in JROTC

Recognition Award from the Association of Public Health Laboratories for research project about "Effect of Ultraviolet Radiation on Survival of E. Coli in Porous and Nonporous Surfaces"

Peace Corps Prep Certificate for the successful completion of the Peace Corps Prep Program

