

# 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