

Noah Newberger Nsangou

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EDUCATION

Williams College, Williamstown, MA
Bachelors of Arts: Computer Science

Class of 2020

- Relevant Coursework:
 - Computer Science: Diving into the Deluge of Data (Python), Data Structures & Advanced Programming (Java), Computer Organization, Algorithms, Human Computer Interaction
 - Spring '19: Principles of Programming Languages, Storage Systems
 - Math & Statistics: Linear Algebra, Computational Linear Algebra; Spring '19: Statistics & Data Analysis
 - Biology: The Cell, The Organism, Genetics

Brookline High School, Brookline, MA

Class of 2016

PROFESSIONAL EXPERIENCE

Williams College – Student Technology Consultant

September 2018 - Present

- Provide troubleshooting and tech support for students and faculty of the College

Boston Children's Hospital - Summer Intern, Computational Health Informatics Program (CHIP)

Summers 2017 - 2018

- Collaborated with a small team led by Dr. Sek Won Kong, MD to develop and implement research pursuits.
- Prototyped gNOME WGS Analysis Pipeline report web-app with Python and Flask Microframework
- Improved data-presentation readability in existing gNOME Analysis report using Javascript
- Presented on gNOME pipeline report changes and report development to CHIP faculty
- Assisted in research design pertaining to Local Ancestry and its effects on disease
- Developed and improved local ancestry inference pipeline for team use in said pursuit with SHAPEIT & RFMix Local Ancestry Inference packages

The Calculus Project – Assistant Teacher/Student Mentor, Brookline High School

Summers 2013 – 2016

Supported mathematical development of rising 8th, 9th and 10th graders of color in summer math programs to increase their eligibility for high-level math courses.

- Designed and facilitated lessons with class teachers
- Led daily homework review
- Enforced course material in one-on-one conferences
- Supervised after-school math help sessions
- Graded all assignments

Colaberry Inc – Boston Kids Club Program Manager

Feb 2016 – June 2016

Taught Google CS First curriculum to classes of children aged 9-14, hosted at Roxbury Community College.

- Led instruction of two classes of 30 kids each
- Engaged parent participation in their children's computer science education
- Conducted training session for club hosts in Dallas, TX

Boston Children's Hospital - Research Assistant Intern, General Pediatrics

Summers 2014, 2015

- Transcribed patient interviews in diagnostic research project designed to improve HPV vaccination rates.
- Mined patient data in Powerchart and EPIC
- Administered and managed tablet surveys for inpatient parents and guardians
- Conducted phone surveys with inpatient parents and guardians
- Managed patient survey mailings

SKILLS

Python • Flask Web Microframework • Java • Microsoft Excel • Local Ancestry Inference

ACHIEVEMENTS AND AWARDS

- African American and Latino Scholars Program Highest GPA Award 2014
- National Merit Commended Student
- The Calculus Project Certificate of Appreciation 2015

CERTIFICATIONS

Massachusetts Educator's License for Middle School – Passed Exam