

# SALOME KARIUKI

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## AWARDS

Dean's List with distinction (4/4 quarters)  
Davis Projects for Peace Summer 2017

## SKILLS

### PROGRAMMING LANGUAGES

C++  
Python  
HTML  
CSS  
UNIX

### DATABASES

MySQL

### TOOLS

Git  
MATLAB

## INTERESTS

Exploring African cuisine  
Programming  
Web development  
Mentoring  
Swimming  
Human-centered design

## EDUCATION

### NORTHWESTERN UNIVERSITY

GPA: 3.882/4.0

Bachelor of Science in Computer Science  
Business Institutions Minor

**Relevant Coursework:** Fundamentals of Programming in Python, Dr. Racket, Object-Oriented Programming in C++, Single and Multivariable Calculus, Data Structures and Algorithms, Mathematical foundations of Computer Science, Introduction to Macroeconomics, and Introduction to Computer Engineering.

**Current classes:** Human Computer Interaction, Introduction to Microeconomics, Introduction to Computer Systems, Physics

**expected graduation: June 2020**

### MAHIGA GIRLS HIGH SCHOOL

Kenya Certificate of Secondary Education(KCSE)  
Best Student in Nyeri County, KCSE 2014

**2014**

## WORK EXPERIENCE

### Electrical Engineering and Computer Science Department- Northwestern University

#### EECS211 Teaching Assistant

**Sep 2017 to Dec 2017**

Holding office hours to help students with Object Oriented Programming using C++ and navigating UNIX.

Topics covered: pointers, dynamic memory allocation, classes, inheritance, abstraction, overloading, linked lists, files, and streams.

### Northwestern Athletics- Northwestern University

#### Tutor

**Feb 2017 to Oct 2017**

Tutoring student athletes in C++, Python, Swahili, Calculus, and Engineering Analysis.

Learnt how to assess a student's weak area and techniques to help them grasp material faster.

### Fanaka Kenya (funded by The Davis Projects for Peace Foundation)

#### Founder and project manager

**Summer 2017**

Leading a team of 7 mentors who guided about 4400 high school students from low income backgrounds in rural Kenya on summer enrichment programs and college application to colleges in Africa and USA.

### Equity Group Foundation

#### Global Scholars Internship Program

**Summer 2016**

Leading a group of 8 mentees in university application workshops, reviewing and helping them edit their essays as well as recreational and team-building activities.

Presenting and hosting seminars on the American college application process.

## PROJECTS

### Personal website

**August 2017**

Designed and published a personal website using HTML, CSS, and JavaScript particles library.

### Digital literacy website for Kenyan high school students

**Summer 2017**

Volunteered at Equity Group Foundation to add life to a plain website meant for high school students.

Using HTML, CSS, and JavaScript designed several iterations of the website and picked the most appealing.

### The FireTite for a class project

**Spring 2017**

Leading user interviewing, user testing, and performance testing.

Prototyped an anchor system for fire escape and bailout systems for Darien Fire Department.

### Fundamental Frequencies for a class project

**Fall 2016**

Leading user interviewing, user testing, and performance testing.

Prototyped a website framework to raise awareness on hearing for Doctor Michael Peshkin.

## ACTIVITIES

### Hack nights

**Jan 2017 to current**

Participating in small weekly hackathons to work on projects and learn more technical skills.

Learnt about web development, game development, android development, and tackling interviews.

### Women in Computing

**Mar 2017 to current**

A community of women, non-binary and trans folk who are passionate about tech.

Attended Grace Hopper Celebration 2017.

### National Society of Black Engineers

**Sep 2016 to current**

Participating in forums on the inclusion of African-Americans in tech

Meeting weekly to help freshmen with their coursework.