

# Salome Wairimu

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## EDUCATION

### Northwestern University 2020, McCormick School of Engineering

Bachelor of Science in Computer Science

**Relevant Coursework:** Data Structures and Algorithms, Human Computer Interaction, Mathematical Foundations of Computer Science, Introduction to Artificial Intelligence, and Introduction to Computer Systems, Data Management.

**Current classes:** Natural Language Processing, Database Management, Computer Systems Software, Intro to Sociology.

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## INDUSTRY EXPERIENCE

### Google

Incoming Software Engineering Intern, Summer 2019

### Credit Suisse

Technology Summer Intern, Summer 2018

- Developed a linear programming model for Exchange Traded Funds to reduce expense costs on the balance sheet and maximize profit. Integrated model with UI and database using Django.
  - Collaborated with two interns to develop a website to increase the Operational Analytics team's client base using JavaScript, HTML, and CSS.
  - Built dashboards using Splunk using data from machine logs to visualize what hosts, processes, and modules caused errors during video streaming.
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## LEADING, TEACHING & SOCIAL GOOD

### Fanaka (fanakafrica.github.io)

Co-Founder & Project Manager, Summer 2017

- Co-founded Kenya's first student-run college application program for high school students, providing a forum for 4400+ students from rural high schools to learn of summer enrichment programs and college application to colleges in the US.

### EECS 213 TA – Introduction to Computer Systems

April 2018 – June 2018

- Holding office hours to help with course material and assignments, grading student assignments and evaluating suitability of exam questions.
- Topics: Intel x86-64 data representation, assembly, memory, caches, virtual memory and input and output.

### EECS 211 TA – Object Oriented Programming

September 2017 – December 2017

- Holding office hours to help with course material and programming assignments in C++ and UNIX.
- Topics: pointers, dynamic memory allocation, classes, inheritance, abstraction, overloading, and linked lists.

### Tutor

February 2017 – March 2018

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

### Cancer Incidence in the US

- Mined data online, developed data models, and created a database of cancer incidence by state and race in the US. This dataset can be used to answer questions on the correlation between poverty levels, insurance levels and cancer incidence levels.

### College Scores Web Scraper

- Used BeautifulSoup to build a scraping tool for colleges' median acceptance SAT scores.

### My Subscription Addiction

- Collaborated on a team of four to build a web application to track and manage a user's subscription with the goal of helping them save money by unsubscribing from services they no longer use.

### The FireTite (DSGN106)

- Designed and built an anchor system for fire escape and bailout systems for Darien Fire Department, reducing setup time to under thirty seconds.
  - Led user interviewing and performance testing.
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## LANGUAGES, TOOLS & FRAMEWORKS

Python, C++, JavaScript, HTML, CSS, UNIX, Django, Bootstrap, SQLite, Splunk, MATLAB.

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