Salome Wairimu

1125 Davis Street apt H3, Evanston, Illinois 60201

Salomewairimu.github.io   swk6525@u.northwestern.edu   linkedin.com/in/salomewairimu

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.

Current classes: Data Management, Intro to Computer Science, Intro to Statistics, and Intro to Electrical Engineering.

INDUSTRY EXPERIENCE

Google

Incoming Software Engineering Intern, Summer 2018

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.

LEADING, TEACHING & SOCIAL GOOD

Fanaka (fanakaafrica.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.

PROJECTS

College Scores Web Scraper

- Used Beautiful Soup 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.

LANGUAGES, TOOLS & FRAMEWORKS

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

AWARDS

- Davis Projects for Peace Award recipient
- CODE2040 Fellow
- Doug Paul Steps to Success Scholar