Tito Yak Kuol

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EDUCATION

HARVARD UNIVERSITY, Cambridge, MA   *Class of 2022*
AB in Computer Science   *GPA: 3.3 /4:0*
- **Relevant coursework:** Algorithms, Memory, Data Structures, Databases, Statistics Quantitative Methods, Abstraction and Design in Computation, Software Engineering

PROFESSIONAL EXPERIENCES

SHOFCO: Data Analyst Consultant   *June – Present*
- Analyzing our Covid-19 response data to generate reports using Google Data Studio.
- Working with our Urban Network team in modelling and maintaining our database with Salesforce. Interpret our beneficiary outreach and provide insights by generating reports using Microsoft Power BI.

BRANCH INTERNATIONAL: Data Analyst Intern   *January – March 2020*
- Worked with Collection team in analyzing borrowing rates and setting criteria for 'good' borrowers.
- Built dashboards in Sisense for monitoring loan disbursements and repayments and used them to generate weekly reports.
- Used PostgreSQL to perform queries for data visualization.

TWENDE CARPOOL: Software Engineer Intern   *June – August 2019*
- Worked with a team of three in designing and implementing web app that allows travelers to set up profiles and book trips and allowing drivers offer trips by entering their origins, destinations, and departure times.
- Implemented the backend authentication logics in Python.

PROJECTS

BOOKYST
- A social cataloging application for readers to review plot summaries and recommend books to the community of readers.
- Implemented in Node.js, MongoDB, Express, Mongoose, Pug, and CSS.

DADU
- A jeopardy game in which the dominant decision is whether or not to jeopardize previous gains by rolling for potential greater score. Players can choose to 'hold' to protect their points or risk losing if they throw a one in next around.
- Implemented in Python, Flask, SQLAlchemy, PostgreSQL, HTML5, and CSS3.

DISPATCHBOX
- A Flask application that allows users to sign up and create public chatrooms for direct messaging. Users can join available chatrooms or create their own.
- Implemented with Python, Flask, JS, Socket.io, HTML5, CSS3, and Bootstrap 4.

GOOGLE SEARCH
- A front-end for Google Search. Has advanced search functionality that returns pages meeting either all search keywords, exact words, any of the them, or none.
- Implemented using dynamic forms for sending keywords combination to google routes.

LEADERSHIP & ACTIVITIES

Harvard Summer School: Proctor   *April – August 2018*
- Worked with dean of students, director of Secondary School Program, and Summer School assistant deans in supervising and advising students to create an environment conducive for an academically productive summer experience.

Harvard Political Review: Staff Writer   *January 2018 – present*
- Correspond on current political affairs and events in Sub-Saharan Africa with a focus on economic development and political representation.

TECHNICAL SKILLS

Programming: JavaScript, Python, Node.js, SQL, OCaml, HTML5, CSS3, Bootstrap, Pug.
Frameworks and Libraries: Flask, React, Express, SQLAlchemy, MongoDB, PostgreSQL.