

## Tito Yak Kuol

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### Education

#### Harvard University

AB degree in Computer Science

Cambridge, MA

May 2022

**Relevant coursework:** Algorithms, Data Structures, Databases, Statistics, Abstraction and Design in Computation, Software Engineering, Design Principles in Data Visualization, Theory of Computation, Discrete Mathematics

### Technical Skills

**Programming:** JavaScript, Python, Node.js, SQL, HTML5, CSS3, Bootstrap, Pug.

**Frameworks and Libraries:** Flask, Express, SQLAlchemy, MongoDB, PostgreSQL.

### Experience

#### SHOFCO: Data Analyst Consultant

June – August 2020

- Consolidated COVID-19 response data and generated reports to determine most affected demographics and recommended control measures.
- Remodeled and maintained beneficiary databases and evaluated beneficiary outreach donations.

#### Branch International: Data Analyst Intern

January – March 2020

- Analyzed loan borrowing rates and reviewed criteria for filtering 'good' borrowers.
- Built dashboards for loans collection team to monitor disbursement and repayment daily rates.

#### Twende Carpool: Software Engineer Intern

June – August 2019

- Designed and built a web application for creating user profiles where they can book trips. Implemented the backend authentication logic in Python.

### Selected Projects

#### Bookyst

- Engineered a catalog web application where users review and recommend books to other readers.
- Assembled with Node.js, MongoDB, Express, Mongoose, Pug, and CSS.

#### Dadu

- Developed a die game in which players risk jeopardizing previous gains if they roll for potential greater scores.
- Modeled using Python, Flask, SQLAlchemy, PostgreSQL, HTML5, and CSS3.

#### Dispatchbox

- Created a slack-like application in which users create profiles and public chatrooms for direct messaging.
- Set up with Python, Flask, JS, Socket.io, HTML5, CSS3, and Bootstrap 4.

#### Google-search

- Implemented a front-end for Google Search with advanced search functionality that returns pages matching search keywords.
- Programmed using dynamic forms for sending keywords combination to google routes.

### Leadership & Activities

#### Harvard Political Review: Staff Writer

January 2018 – January 2019

- Corresponded on current [political affairs](#) and events in Sub-Saharan Africa with a focus on economic development and political representation.

#### Harvard Summer School: Proctor

April – August 2018

- Supervised and advised students for academically productive summer experience.