Tito Yak Kuol
New York City, New York | yaktito20@gmail.com | 6176376697 | titoyak.me | linkedin | github

Education

Harvard University.   *Cambridge, MA.*
Bachelor of Arts in Computer Science; Secondary in Government   *Class of 2022*
Relevant coursework: Algorithms, Data Structures, Databases, Statistics, Abstraction and Design in Computation, Data Visualization, Theory of Computation, Discrete Mathematics, Machine Learning
Clubs and Societies: Harvard Computer Society(Director of Tech for Social Good), Harvard Crimson(Editor)

Technical Skills

Programming: OCaml, JavaScript, Python, Node.js, SQL, HTML5, CSS3, Bootstrap, Pug, React, Pyspark, Java
Frameworks and Libraries: Flask, Express, MongoDB, PostgreSQL, Apache Hadoop, Cassandra, Elasticsearch, D3.js
Tools and Platforms: Jfrog Artifactory, Palantir Foundry, Palantir AIP, Palantir Apollo

Professional Experience

Palantir Technologies: Forward Deployed Software Engineer   *New York City, NY. July 2022 – April 2024*
- Secured regular upgrades and maintenance for on-premise deployment of the Palantir Foundry Platform, ensuring continued efficiency and effectiveness.
- Developed and deployed a weather monitoring application for monitoring weather patterns and securing network cell towers. This initiative resulted in generating $8,000,000 annually.
- Trained and deployed large language models using Palantir AIP (Artificial Intelligence Platform)
- Led AIP bootcamps for government and commercial clients, providing comprehensive training and support in utilizing Palantir AIP effectively.
- Served as the technical lead for a $15,000,000 project for a government client, overseeing all technical aspects of the project to ensure successful implementation and delivery.
- Led a Cyber Security Project, implementing robust security measures to protect sensitive data and systems from potential threat actors.
- Worked directly with clients, building customised and user-friendly products to support their needs.
- Led, designed, and built a reporting web app, in Typescript, where users can upload, view, and manage reports.
- Developed, and optimised, in Python, an end-to-end PySpark data pipeline for case management web application for security analysts.

SHOFCO: Data Analyst Consultant.   *Nairobi, Kenya. June – August 2020*
SHOFCO provides services, community advocacy, education and leadership in urban slums in Nairobi.
- Consolidated COVID response data to determine most affected demographics and recommended control measures. This led to efficient contact tracing and a 50% decrease in the rate of infection.
- Remodelled and maintained user databases, resulting in a $10,000 per month reduction in the cost of registration and outsourcing.

Branch International Inc: Data Analyst Intern.   *Nairobi, Kenya. January – March 2020*
World's leading personal finance app that provides access to instant loans in developing countries.
- Analyzed and reviewed criteria for identifying 'good' loan borrowers to minimize loan default rates.
- Implemented changes resulting in a 15% reduction in monthly loan default rates.
- Designed and developed dashboards for the loan collection team. Provided real-time monitoring of loan disbursement and repayment rates, facilitating timely decision-making and process optimization.

Twende Mobility: Software Engineer Intern. *Nairobi, Kenya. June – August 2019*
Carpooling service in Kenya that connects people travelling in the same direction.
- Designed and built a web application allowing users to create profiles and book trips.
- Implemented features to enhance user engagement and streamline the booking process.

Leadership & Activities

Harvard Political Review: Staff Writer.   *Cambridge MA. 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. *Cambridge, MA. April – August 2018*
- Supervised and advised students for academically productive summer experience.

KenSAP: Refugee Students Ambassador.   *June 2016 – Present*
- Was the first refugee student admitted to the program. I have since used my personal story to help the program develop recruitment strategies and how to successfully support refugee students.