Hamza Kyamanywa

Full Stack Software Engineer

👤 Profile

Dedicated Software engineer and senior year student of Electrical Engineering. Adept in an assortment of both front-end and back-end web technologies including HTML/CSS, JavaScript/React, NodeJS, MongoDB and Express. Proficient in JavaScript, Python and C++. Highly skilled in building application logic and knowledgeable in user interface design, testing and debugging processes. Able to efficiently self-manage during personal projects, as well as collaborate in a team setting. Competent communicator. Superior knowledge of data structures and algorithms.

📊 Personal Projects

GIPP, Seoul

April 2022 — Present

Technologies Used: Python, Django, React, MongoDB, HTML/CSS

- Developed a single page application using React, NodeJs, express and MongoDB to allow users to easily submit meeting reports to their superiors.
- Designed a RESTful backend server enabling reports to be submitted and easily retrieved from a persistent online MongoDB database
- Employed state of the art DEVOPs techinques during development such as test-driven develepment using Mocha Chai and GIT
- Utilized efficient production level technologies like TRAVIS CI

ElkPro Cut, Seoul

February 2022 — Present

Technologies used: NodeJs, Express, MongoDB, React, JavaScript, HTML/CSS

- Created web booking system for Hair shop which increased sales by 35%
- Developed admin panel for the site which improved internal working efficiency
- Used comprehensive testing regime to ensure bug free code

🎓 Education

BSc. in Electrical Engineering, Korea University, Seoul

March 2019 — Present

- **GPA: 4.02/4.5** *(Top 10 percentile of the class)*
- **Credits Completed: 109/130** *(Final Year)*

Related courses completed:

- Introduction to Databases
- Data Structures and Algorithms using C++

Details

Korea University
Seoul, 02841
South Korea
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untilhamza@gmail.com

Date / Place of birth

1998/10/30
Kampala, Uganda

Links

LinkedIn
GitHub

Skills

Docker

JavaScript

Node.JS

React

Redux

Python

Express.js

MongoDB

MySQL

Linux

SQL

Git

C++

HTML & CSS

Django

Pytorch

Languages

English

Korean

Luganda

- C programming
- Multimedia signal processing using machine learning

Relevant course work:

- Solving a maze in C using recursion and linked lists
- Implementation of shortest route finding app using Dijkstra's algorithm
- Improving performance of DnCnn neural network

Korean Language Course, Sunmoon University Korean Language Institute, Cheonan

February 2018 — February 2019

Achieved an advanced Korean Profeciency test score of TOPIK 5 within 8 months of learning the Korean language for the first time.

Awards and Honors

Korea Global Scholarships, Seoul

March 2018 — Present

The Korean Government Scholarship Program provides exceptional "non-Koreans" and "overseas Koreans (who fulfill certain criteria)" with the funding and an opportunity to conduct either undergraduate or postgraduate level studies in universities in Republic of South Korea (South Korea)

Ugandan Government Scholarship, Kampala

August 2017 — February 2018

The Ugandan Government Scholarship is a prestigious fully funded university scholarship awarded to top performing high school students in Uganda on national merit.

Korea University Academic Excellence Award, Seoul

2019

The Korea University Academic Excellence Award is presented to Korea University students who achieve an outstanding 4.5/4.5 GPA during any given semester in which the student registers for and completes at least 17 credits.

Courses

The MERN fullstack guide, Udemy

March 2022 — April 2022

React - The Complete Guide, Udemy

November 2021 — January 2022

100 Days of Python Code: The Complete Python Bootcamp, Udemy

August 2020 — December 2020

Learn C++ Programming (Beginner to Advanced), Udemy

December 2019 — January 2020

Employment History

Hobbies
Guitar, Soccer, Music, Sound engineering

Junior Data Scientist - Research Intern at Smart Micro Grid Lab (Korea University), Seoul

May 2021 — December 2021

[Electric Vehicle Charging Site Optimization]

- **Data Acquisition**
- **Data Preprocessing** and **Cleaning**
- **Data Integration** and **Storage**
- Initial **data investigation** and **exploratory data analysis**
- Choosing potential **models and algorithms**

Resident Assistant at ResLife (Korea University Dormitory), Seoul

August 2019 — August 2020

[Assisting International Students at Korea University Dormitory]

- **Assist** international students with Korean Language translation.
- **Organizing** and directing regular floor **meetings** with residents.
- Resident **supervision.**
- **Respond** to requests, reports and emergencies.
- **Submit reports** on infractions, violations, and safety issues.
- **Promoting** residence hall events and relevant campus activities

Korean Language Interpreter and Diplomatic Tour Guide - Volunteer at Embassy of South Korea in Uganda, Seoul

January 2020 — February 2020

[Guiding Ugandan Diplomats visiting South Korea]

- **Planning** travel itineraries for visiting diplomats.
- **Introducing** Korean culture to the visiting diplomats.
- **Familiarizing** visiting diplomats with the South Korean locality by vehicle or foot.
- **Ensure** comfort and saftey for the visiting diplomats.
- **Provide information and insights** to help visiting diplomats enjoy their experience in Korea.
- Provide English to Korean **translation services.**

◀ References

Prof. Beelee Chua from Korea University

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Prof. Choi Sungyun from Korea University

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