

Ready to apply for the MLH Fellowship? (Page 1 /10)

Hey, there! We're so excited to hear that you're interested in becoming an MLH Fellow in our upcoming batch.

At Major League Hacking (MLH) we know the power of hands-on learning first-hand. Every year, more than 135,000 aspiring technologists around the world participate in MLH events where they learn the skills that help them land jobs, launch startups, and everything in between. You can't learn these necessary skills in most classrooms, which is why so many people take their education into their own hands and join our community every year.

The MLH Fellowship is a collection of programs designed to make learning these skills easy, fun, and fast. By pairing educational and fun content with practice experience, you can learn a lot in a very short period of time. Whether you're looking to build out your initial portfolio of personal projects, polish up a project you're passionate about, or start contributing to Open Source, we have a program for you.

The application takes approximately 30-45 minutes to complete. You can save your work at any time and come back to it in the future.

Eligibility Check (Page 2 /10)

Before we get too far along, let's confirm your eligibility for the program. In order to apply for this program you must meet **all** of the criteria listed below.

Instructions

Congratulations! You are qualified to apply for the MLH Fellowship. Click "Next Page" below to continue your application.

Program Qualification Confirmation

- **Age:** I am over the age of 18.
- **Residency:** I do not reside in a country embargoed by the United States.
- **Time Commitment:** I am able to commit at least 30 hours per week to the program.
- **Communication:** I am proficient with English, both written and spoken.
- **Coding Experience:** I can code proficiently in at least one programming language.
- **Environment:** I have regular access to quiet workspace for meetings & coding.
- **A/V Setup:** I have regular access to a video call quality Internet connection, webcam, & microphone.

Create your Profile (Page 3 /10)

Let's start by collecting some basic information about you and where we can find you on the internet.

Basic Information

First Name Last Name

Natwijuka Isophel

Primary Email Address

natisox18@gmail.com

Portfolio/Resume

We ask you to share a copy of your resume and links to your online profiles to help us better understand your experience level and background. The more information you can share with us, the better!

*You must share **at least one** of the listed items with us to submit an application. Uncheck the box next to anything that you don't currently have.*

Which of the following do you have that you can share with us?

- **Resume**
- **GitHub Profile**
- **LinkedIn Profile**
- **Personal Website / Portfolio**

Resume

Resume-Natwijuka-Isophel.pdf

GitHub

GitHub Handle

http://github.com/ isophel

LinkedIn

LinkedIn Handle

http://linkedin.com/in/ isophel

Personal Website URL

https://isopheldev.netlify.app/

Programs (Page 4 /10)

The MLH Fellowship is a collection of 12-week programs designed to help you level up your tech skills quickly. Whether you're looking to build out your initial portfolio of personal projects, start contributing to Open Source, or gain practical experience solving real problems for companies, we have a program for you.

In this section you'll learn about some of the key ideas behind the fellowship and tell us which programs you're interested in.

Program Selection

Which programs type would you like to apply for?

MLH Fellowship Program

Which programs(s) would you like to be considered for?

- **Open Source**
- **Software Engineering**
- **Production Engineering**

Term

Summer 2022 (May 30 - Aug 19)

Citizenship / Visa Status

Some opportunities require you to hold citizenship or a visa in your country of residence or the country where the employment partner sponsoring your participation is located.

Country

Uganda

In which country will you primarily reside in during the program, if accepted?
Uganda

Do you have work authorization in any additional countries?
No

Scheduling Preferences

Time Commitment
- I am able to commit at least 30 hours per week to the program.

During which time blocks are you available to meet with staff or other Fellows, should you be admitted?
- 04:30 GMT
- 05:00 GMT
- 10:00 GMT

Education Experience (Page 5 /10)

Overview

Are you currently enrolled as a student in an academic institution?
Yes

Current Academic Experience

Current Institution Name	Current Institution Type
Mbarara University of Science and Technology(MUST)	University - Undergraduate (3-5 year degree)
Expected Graduation Month	Expected Graduation Year
February	2023
Major	
Computer Science / Software Engineering	
Type of Credential Granted	
Degree	

Professional/Work Experience (Page 6 /10)

Overview

Are you planning to look for a coding job in the next 12 months?
Yes, I'm looking now

Job Search

You indicated you'll be looking for a coding job within the next 12 months. Tell us about your plans.

When would you be looking to start that job/internship?
Immediately / Within 4 months

Are you open to remote work opportunities?
Yes, I'm exclusively looking for remote opportunities

Developer Experience (Page 7 /10)**Experience**

Please rate your level of familiarity with the following programming languages:

Android (Java/Kotlin)

Somewhat proficient, use occasionally

C

Somewhat proficient, use occasionally

C++

Somewhat unfamiliar, have used before but am not comfortable

Rust

Very unfamiliar, have never used

Go

Very unfamiliar, have never used

iOS (Swift/Objective-C)

Somewhat unfamiliar, have used before but am not comfortable

Java (Non-Android)

Very proficient, use frequently

JavaScript

Somewhat proficient, use occasionally

TypeScript

Somewhat unfamiliar, have used before but am not comfortable

Julia

Very unfamiliar, have never used

PHP

Very proficient, use frequently

Python

Very proficient, use frequently

Ruby

Somewhat unfamiliar, have used before but am not comfortable

SQL (MySQL, PostgreSQL, etc.)

Very proficient, use frequently

Haskell

Very unfamiliar, have never used

OCaml

Very unfamiliar, have never used

Please list any programming languages with which you are proficient not listed above:

Which of the following have you done before?

- **Built a website with HTML, CSS, and JavaScript**
- **Built a frontend web application using a front-end framework**
- **Built a web server or API**
- **Posted or pulled data from an API**
- **Built a mobile application**
- **Built a desktop application**
- **Used Git to create and merge pull requests**
- **Used a package manager**
- **Have contributed to Open Source**
- **Answered a question on Stack Overflow**

Interests

Which of the following areas do you have specific interests in?

- **Back-end Development (Web & Mobile)**
- **Databases (Design & Architecture)**
- **Devops**
- **Front-end Development (Mobile)**
- **Front-end Development (Web)**
- **Graphics**
- **Web APIs (REST & GraphQL)**

Code Sample (Page 8 /10)

Overview

At Major League Hacking we don't believe in whiteboarding interviews. Instead, we prefer to talk about the code you've written. As part of your application you should submit a code sample that you feel demonstrates your abilities. We'll review this sample ourselves while looking over your application. If you're invited to a tech interview, you'll talk about this specific code with your interviewer.

Code Sample Requirements:

- **Representative:** The sample should be representative of your abilities. If you're submitting a group project, make sure you contributed a substantial amount of code. Projects that are based mostly on a tutorial aren't representative of your own abilities.
- **Existing sample:** This is code that you wrote for a purpose other than this application.
- **Public on GitHub:** Your sample should be viewable on GitHub publicly. If you can't make the repository public, convert your code to a secret GitHub Gist instead.
- **Multiple files:** Your sample should consist of multiple files and be of substance. It's hard to have a conversation about a single function.
- **Not too large:** It's difficult to have a conversation about a mono-repo with dozens of microservices. It should be immediately clear what you contributed to the sample. Dense frameworks with lots of boilerplate such as Django or Laravel don't usually make for good code samples. Lightweight frameworks such as Flask and Express are good examples.
- **Real problem:** Your sample should solve a real problem or accomplish a real goal. While some class projects will meet this criteria, most won't. There's nothing wrong with the binary search tree you wrote, but it'll be hard for your interviewers to get to know you through that kind of sample.
- **No Jupyter notebooks:** We need to see your ability to write a project that an end user can use. It should be deployable. We don't accept Jupyter notebooks or other exploratory code samples because it's difficult to have a conversation about your coding skills with these.

Examples of good code samples

- A web app with JavaScript
- A web server (backend only)
- A mobile app
- A desktop app
- A command line app

Examples of poor code samples

- Jupyter notebooks
- Tutorials
- Simple static sites with no logic (*i.e. without JavaScript / similar*)
- Algorithm implementations / competitive coding solutions

- University or bootcamp coursework (*as these often contain too much boilerplate and aren't representative of your own abilities*)

What to do if you don't have an appropriate code sample:

If you don't have a relevant code sample, our best advice is to attend one of the [upcoming MLH hackathons](#) and submit whatever you build there. MLH has hackathons taking place every weekend of the year and they are open to both students and professionals.

Code Sample

Code Sample GitHub URL

Which programming language/technology does:
are your contributions to this code sample primarily written in?

<https://github.com/isophel/xplorewhatsapp/> Python

This is a WhatsApp chatbot that responds to different queries in regards to tourism in uganda for example current tweets by the board, car hire services and upcoming trips to any user that interacts with the bot via WhatsApp. It sends data according to what is the API that I created in Django Rest Framework Here is the repo for the API
(<https://github.com/isophel/ExploreBot>). the code was deployed on Heroku and it is working fine. It was also an extension of a web chatbot built with NLP here in this repository
<https://github.com/isophel/Xplorebot/>
There are a lot of projects that I have worked on

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Essay Questions

Essays are an important part of how we evaluate applicants for the MLH Fellowship. Make sure you include enough information to help us understand who you are, why you want to be an MLH Fellow, and what you would bring to the program.

Low quality essays are one of the main reasons applicants are rejected from the MLH Fellowship. Please make sure you put some thought into your responses. These are among the only early data points we have to differentiate applicants.

Why do you want to become an MLH Fellow?

MLH has always been my dream towards getting a good developer job, working on real-world projects, and learning new skills. From INIT 2021 I was impressed by the MLH community and becoming a Fellow will be my greatest achievement in my tech career path. I desire to connect with giant tech companies, experienced programmers, and enthusiastic learners and become that great Software Engineer that the world needs

The MLH Fellowship is a diverse community that welcomes Fellows from a wide range of experiences and backgrounds. What perspective or experience will you bring to the fellowship to strengthen our community?

Well I am privileged to be a certified Associate Python Developer by Python Institute as well as AWS cloud Practioner where I have learned and interacted with various products in different cloud platforms (Azure, AWS, and GCP) and also helped students in our developer communities through debugging and teaching them code I worked as an intern at Codiet Institute of Technology (USA) for 3 months in the Research and Development Lab before I joined the company where I am a web developer and Cloud engineer as well. I am ready to be supportive in any community that I join and we help each other grow and following the SDLC is always my guidance in learning and software development. I love this! Ideation, Designing, Developing, Documenting, Reviewing, Testing, Analysing and Releasing code

Anything else we should know about you?

I happened to be among the Ericsson Africa Educate program graduates of 2021 in AI, machine learning, and Telecommunications and my desire is to bring all that I have learnt into reality and develop real-world projects towards solving global challenges I love ideation and product development and soon a certain MVP is rolling out with me being the head of the innovation team

Optional Questions (Page 10 /10)

Demographics

We invite applicants to self-identify as to their gender, race/ethnicity, and veteran status. Completion of this form is entirely voluntary and declining to provide this information will not subject you to adverse treatment. Any information that you do provide will be maintained confidentially and will not be shared.

All individuals seeking to join the MLH Fellowship are considered without regard to race, color, religion, national origin, age, sex, marital status, ancestry, physical or mental disability, veteran status, gender identity, sexual orientation, or any other legally protected characteristic. You are being given the opportunity to provide the following information in order to help us measure our own diversity and inclusion efforts and to comply with applicable federal and state Equal Employment Opportunity record-keeping and reporting obligations.

Gender Race/Ethnicity

Male Black or African

Misc.

How did you hear about the MLH Fellowship?

I attended an MLH Hackathon

Stay Informed:

- Keep me informed about future batches of the MLH Fellowship & announcements from Major League Hacking (MLH).

Attached File:

Resume-Natwijuka-Isophel.pdf (141 KB)

