

Arnold Cornelli Mutayoba

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Education

Michigan State University(MSU), East Lansing , MI

Bachelor's degree in Computer Engineering.[Conferred or Awarded]

May 2018

Bachelor's degree in Electrical Engineering.

Aug 2020

Emphasis on Software Engineering, Information Security and Artificial Intelligence.

As part of the degree program; Coursework projects involving;

Python, C, C++, Assembly language (SPARC and ARM microprocessor in Computer Architecture and Organisation) .

Analog and Digital (VHDL) Circuits Design and Implementation, audio engineering and Discrete Structures .

Data Structures , Algorithms, Compilers, Operating Systems and Computer Networks.

Objective Oriented Programming Design and Implementation (UML).

Introduction to Machine Learning.

International School of Tanganyika(IST) - Dar-es-salaam, Tanzania

2011-2013

Awarded the MasterCard Foundation Scholars Leadership full Scholarship To MSU.

International Baccalaureate (IB) High School Diploma.

Awarded Honors Roll in Effort and Excellence.

Awarded ECIS an award for International Understanding class of 2013.

Awarded International School of Tanganyika(IST) full ride scholarship.

Skills

Dockers, Python, C++, Node-RED, Jenkins, docker, powershell, Git, Ansible, C# .NET Framework, Visual Studio, Angular Js, React native and Js, IOS and Android Dev, SEO, Splunk and Qualys Analyst and Developer, VHDL, Zabbix, Django, HTML, CSS, Jscript, Kubernetes and Perl

Professional Experiences

DevOps Engineer for IBM

Sep 2018 – Present

Knowledge transfer of IBM platforms and services

Deployment cycle, evaluation and monitoring

Knowledge of AWS, SysAdmin, Linux, Scripting, git, node-red, Jenkins and ansible, powershell

Senior Design Project Manager for ArcelorMittal

Aug 2017 - Dec 2017

Goals: Robust system to keep costs low, repair and diagnostics time minimal as well as minimum human intervention.

Planned project timeline and economic resources per specifications given.

Worked with Team mates to distribute the workload according to skill set.

Personally worked on Zabbix configurations.

Became the team educator on various technologies to use such as Telegram API.

Used Zabbix, Centos OS7, Hypervisors, Telegram and its API.

Destination Freight Full Stack Software Developer

May 2016 - Dec 2018

Developing website and APP for dispatchers.

Content development and SEO for digital marketing.

Backend developer for auto verification for drivers.

Using Wordpress, Adobe, CSS, HTML, PHP, Django.

Technology Director at MIBREWCLUB LLC:

Nov 2016 - Aug 2018

Developing tech solutions for digital marketing such as data driven Market research.

Python Web Crawlers, SEO, Google Analytics, WiX web design (UX/ UI)

Software Developer Intern at Michigan State University Cyber Security Team

Aug 2017 - Aug 2018

Mitigating and remediating security threats.

Incident Response Team member.

The Big Ten Academic Alliance Project Intelligence Threats analyst as MSU.

Maintaining and Developing security tools.

Used Python, Qualys, Splunk, Jupiter and Proof Point APIs.

Apple Inc Technical Expert

Nov 2016 - Aug 2018

Customer service and leadership member.

Hardware to software troubleshooting and repair.

Mac Certified from Apple Inc.

BUEL LAB Bioinformatics Engineering Intern

May 2017 - July 2017

Lifted Genes via string parsing, Quality Analysis.
Developed a maize genome webpage.
Used Perl, Bio-Perl, CROSSMAP, PHP, HTML, CSS, Python, and SQL.

Embedded Software Developer Software Intern at Fraunhofer

Nov 2016 - May 2017

Developed industrial standard scalable software diamond coating systems.
Designed and Implemented software using Labview software suite.
Designed a security alert system to protect scientists during operations.
Technologies used: bus systems like the CAN, Twincat and I2c with arduino sensor modules integrated in python and C.

Embedded Software Developer Software for MSU Formula Racing Team

Sept 2016 - March 2017

Developed UI for Fuel System using QT creator.
Developed a digital Accelerometer.
Used windows, Linux and OSX platforms.
Used C, C++ and python on visual studio and QT creator.
Interfaced a mortec controller to send live data to Windows computer using the Arduino bluetooth module

Full Stack Software Developer at MATRIX MSU

Feb 2016 - Aug 2016

Designed websites both frontend and backend.
Used cakephp framework.
Used HTML, JavaScript, SASS, CSS, PHP, JQuery, MySQL databases.

IBM software developer and Information Security Analyst Intern

May 2015 - Aug 2015

Analysed server threats for for West and East Africa.
Introduced to CCNA and Cyber Security.
Provided IT services to employees on application installation and maintenance.
Programming in Java for MPESA business model.
Presented on good security practices to fellow employees and Interns .
Used C++, Java and QT Creator.

INDEPENDENT PROJECTS**Full Stack Android, IOS, UNIX, OS and Web Software Developer****Muda App** (Personal Visual Realistic Planner)

Android and IOS version available
Website hosting using AWS
Aimed at visual reflection of to do list vs Time
Planning to Integrate Alexa and/or Siri
Using React JS and React Native

Usafiri APP (Making public transportation Economical)

Android and IOS versions available
Siri and /or Alexa integration
eHost web-hosting
Using Swift and Java

Sokoni Web and APP

App to sell things in Tanzania
Integration with Mobile Payment
Using Swift, React Js and React Native

Portfolio Tracker

App to help digital currency tracking
Machine Learning
Django framework

CURRENT CERTIFICATIONS**IT support certifications**

Google IT Support Professional Specialization. Conferred on July 2nd 2018
CCNA ICND1 and ICND2. To confer on April 2019
CISSP. To confer in Summer 2019
Network+ and Security+ to be next objectives