



# ALLAN ODINDO VIKIRU

SOFTWARE ENGINEER

## OBJECTIVE

To solve problems by conducting informative research and applying effective solutions in Information Technology.

## SKILLS

Collaboration & Teamwork

Communication

Time Management

Logical & Analytical Thinking

Creativity

## TECHNICAL ABILITIES

### WEB DEVELOPMENT

Languages: HTML5, CSS3, Sass, JavaScript, PHP, MySQL, Node.js, Pug.js

Frameworks: Laravel, WordPress

### INTERNET-OF-THINGS

Tools: Arduino, ThingSpeak and Azure IoT

### DATA SCIENCE

Languages: Python, MATLAB.

Techniques: Web Scraping, Data Cleaning, Data Visualisation, Regression Modelling

### GRAPHICS DESIGN AND DEVELOPMENT

Tools: Inkscape, Krita, Adobe Illustrator, Adobe Photoshop

### UI/UX DESIGN AND DEVELOPMENT

Tools: Adobe XD, Figma

### SOFTWARE ENGINEERING

Tools: Git, GitHub, GitLab, Heroku

Techniques: DevOps, System Analysis and Design, Agile & Prototyping Models



[allanvikiru.github.io](https://allanvikiru.github.io)



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## RESEARCH AND TECHNICAL WRITING

Tools: GitHub, LaTeX

Techniques: Proposal Writing, System and User Documentation

## EXPERIENCE

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### IT SYSTEMS ASSISTANT • QUANTUM FACILITIES MANAGEMENT • MAY 2021 – PRESENT

Conducting various functions including system development, website and database management, graphic design, and digital marketing.

### SOFTWARE DEVELOPER INTERN • SLASH DOT LABS • JANUARY 2020 – MARCH 2020

Worked on different web-based applications in Laravel and WordPress. Served as Team Lead for a project that involved rebuilding online and retail business platforms.

### STUDENT FELLOW • @ILABAFRICA • FEBRUARY 2019 – DECEMBER 2019

Under the system testing and debugging team for two web projects in Laravel and Vue.js.

### STUDENT VOLUNTEER • GERTRUDE'S CHILDREN'S HOSPITAL • JANUARY 2018 – FEBRUARY 2018

Assisted patients and hospital staff in various departments such as Outpatient, Laundry & Housekeeping, Radiology and Pharmacy

## EDUCATION

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### BACHELOR OF SCIENCE IN INFORMATICS AND COMPUTER SCIENCE • 2017 - 2021 • STRATHMORE UNIVERSITY

An active member of the Strathmore University IT Students' Association (SUITSA). Served as Writer in the Public Relations Senate of the 2017-2018 Strathmore University Student Council.

### KCSE • 2013 - 2016 • MOI HIGH SCHOOL KABARAK

Scored a B+ of 71 points in the 2016 Kenya Certificate of Secondary Education (KCSE) exams. Participated in the School Choir, the Red Cross Society and served as Dining Hall Prefect from 2015 to 2016.

### KCPE • 2005 - 2012 • MAKINI SCHOOLS

Attained an A- (398/500 marks) in the Kenya Certificate of Primary Education (KCPE) exams. Member of the lawn tennis team and served as Deputy Head Boy for Middle School from 2008 to 2009.



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## WORKSHOPS AND CONFERENCES

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### **6<sup>TH</sup> STRATHMORE INTERNATIONAL MATHEMATICS CONFERENCE, STRATHMORE UNIVERSITY • NAIROBI, KENYA • JUNE-JULY 2021**

Co-presented a paper: 'Detecting the Risk of Fireground Injuries using IoT'. A dissemination of the implementation of wearable sensor technology to assist firefighters in determining the risk of sustaining fireground injuries.

### **17<sup>TH</sup> ICT CONFERENCE, STRATHMORE UNIVERSITY • NAIROBI, KENYA • MARCH 2019**

Co-presented a paper titled 'Automated Estate Services Management System' which demonstrated a web-based system that assists residential estate management committees in their operations.

## ACHIEVEMENTS AND AWARDS

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### **DEAN'S LIST AWARD • STRATHMORE UNIVERSITY • FEBRUARY 2021**

Recognised for academic excellence for the 2019/2020 academic year.

### **DEAN'S LIST AWARD • STRATHMORE UNIVERSITY • JULY 2019**

Recognised for academic excellence for the 2018/2019 academic year.

### **1<sup>ST</sup> RUNNERS UP • KONICA MINOLTA NATIONAL UNIVERSITY CONTEST • JUNE 2019**

In a team of three, we developed a solution that sensitises the importance of recycling using augmented reality.

*References and additional contact information will be availed upon request.*

*For further usage, kindly contact me via the communication channels indicated, to access the latest version of the document.*



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