

# SIMON PETER WANYAMA

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☎ +256771995737 or +256726122801  
🌐 <https://www.linkedin.com/in/simon-wanyama/>  
🌐 <https://github.com/realespee>

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## PERSONAL STATEMENT

Highly motivated by my passion, passionate about using Scientific Research and tech to solve any problem, resilient against any challenge, self driven. Experience working with data, data engineering, machine learning, building software solutions like ERP and working with non profits.

My objective is about Improving livelihoods through data science: using artificial intelligence solutions and research. I also want to use tech to improve and ease work.

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## WORK HISTORY

### Genlab Solutions International

Kampala, Uganda  
Sep 2021 - Present

#### ● Data Science Apprentice

This is a part-time voluntary remote job.  
Genlab is a group of Health Enthusiasts that do DNA sequencing of Tuberculosis, COVID and HIV patients.

My task is to do modeling, analysis, visualizations and support clients.

### Build2gether Investments Limited

Kampala, Uganda  
Mar 2020 - Present

#### ● Software Developer

Build2gether provides construction equipment, material, and spare parts through an online store <https://equipaccess.com> build with PHP and Vuejs.

It also provides ERP solution called B2ERP build in Python Django and Reactjs and an Asset Management System called EAMS build with Python and Reactjs.

It also provides implements, customizes and supports Frappe and ERPNext solutions

- Lead developer of B2ERP, an in-house ERP Solution for companies, organizations, non profits, manufacturers, healthcare, schools.
- Lead Developer Frappe ERPNext Solutions. I implement, support and customize the Frappe ERPNext solutions for clients
- Team member EAMS
- Analyst for EquipAccess

### Markh Investments Limited

Kampala, Uganda  
Jul 2019 - Feb 2020

#### ● Data Officer

Markh is a logistics company with a fleet of over 200 trucks.

- Managing GPS generated data and doing analyses on it to give company direction.
- Providing user support to workmates who generate and use data like operations department, drivers and Data Officers.
- Reporting Fleet Status whenever it is needed; at least 3 times a day.

### Uganda Wildlife Authority

Kampala, Uganda  
May 2017 - Oct 2017

#### ● Intern - ICT Unit

This was my internship for my Bsc. Computer Science

- Provide IT Support to all other offices when called upon.
  - Inventory Management for all ICT equipment.
  - Software installations and Maintenance
  - Managing Library Systems and Data
  - Network Management including Routing and Switching
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## QUALIFICATIONS

### Makerere University

Kampala, Uganda  
2019 - Present

#### ● Master of Science in Computer Science

° Research : Spatial Temporal Prediction of Ambient PM2.5 using Satellite Imagery data. I am using ubiquitously accessible satellite data to predict pollution levels for Ugandan select towns  
° I covered courses including Scientific Research methods, Machine Learning, Computer Vision, Deep Learning, Data Analytics and Visualization, Data Mining etc and done mini projects in all.

### Makerere University

Kampala, Uganda  
2015 - 2019

#### ● Bachelor of Science in Computer Science

Structured Programming with C, Object Oriented Programming with Java, Computer Networks, Data Structures and Algorithms etc

### Busia Trust Secondary School

Busia, Uganda  
2013 - 2014

#### ● Uganda Advanced Certificate of Education

Physics, Mathematics, Economics

### Rena College Mayuge

Mayuge, Uganda  
2009 - 2012

#### ● Uganda Certificate of Education

## TECHNICAL SKILLS

- Research. Studied and currently doing my Msc. Research using standard scientific research methods.
- Documentation. Written and Presented Proposals, Reports and Projects/Research concepts. I create all my documents using Latex. I also have good knowledge and experience of Ms. Office and Its Google counterpart.
- Data acquisition skills like Data Mining, Data Collection both manually and using ODK
- Data Analytics and Visualization using Matplotlib, and Plotly.
- Data Modeling with Machine Learning, Deep Learning and Computer Vision.
- Data Analysis with Pandas
- IT support. Can do basic IT inventory management, IP Addressing, Routing and Switching, Network management, and provide basic computing support.
- Software Development using Python and JavaScript. I have worked on ERP Systems and other web apps.
- Frappe and ERPNext. Ranging from deploying frappe solutions on different platforms to implementations, customizations, setup and support. Able to develop novel frappe solutions as well.

## PERSONAL SKILLS

### Self Management

I can work remotely and comfortably deliver with less or no supervision

### Teamwork

Worked on collaborative projects and have learned to be a team player

### Willingness to learn, Critical thinking and Resilience

Always open to learn from team, and will also get things done however challenging

## COMMUNITY & VOLUNTEER EXPERIENCE

### DataTalksClub

Berlin, Germany  
Jan 2020 - Present

● DataTalksClub is an online club of Data Enthusiasts, it holds weekly talks and free bootcamps. It is led Alexey Grigorev, a senior Data Scientist at OLX in Berlin, Germany.

- Member

### Bright Hope Orphanage

Busia, Uganda  
Jun 2018 - Present

#### ● ICT Consultant

Bright Hope is a non profit that aids orphans around Busia District. I have been helping with ICT needs, training orphans and staff in elementary computing, managing network and other ICT requirements.

## BABASA JOINT COUNCIL

Kampala, Uganda  
Mar 2017 - Feb 2019

## ● Speaker/PRO

BABASA is a NGO/CBO that brings together students who originate from districts Busia, Namayingo and Bugiri and studying in higher institutions of learning.

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## INTERESTS

- Scientific Research in fields of Health, Environment and Tech
- Following Trends mostly in Tech

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## REFEREES

### Prof. Engineer Bainomugisha

Research Supervisor | Department Head, Computer Science - Makerere University

✉ baino@cis.mak.ac.ug

### Mrs. Eileen Gichuki

Head, Human Resources and Administration - Build2gether Investments Limited

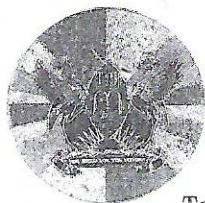
✉ g.eileen@bticgroup.com

### Mr. Felix Kimbowa

CTO - Markh Investments Limited

✉ felix.k@markhinvestments.com

0138599



MAKERERE



UNIVERSITY



Office of the Academic Registrar, P.O. Box 7062, Kampala, Uganda.

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## Academic Transcript

### Undergraduate Programmes

Page 1 of 1

NAME: WANYAMA Simon Peter

SEX: Male

NATIONALITY: Ugandan

REG. No. 15/U/13718/EVE

FIRST REGISTERED: 2015

HALL: University Hall

FACULTY: FCIT

PROGRAM: BSC(COMP.SCI)

DATE OF BIRTH: 22 Dec, 1995

| Year :1 | Academic Year :2015/2016 | Semester 1 | Course Code | Course Name                            | CU        | Grade |
|---------|--------------------------|------------|-------------|--|-----------|-------|
|         |                          |            | BIS1104     | COMMUNICATION SKILLS FOR IT            | 4.0       | B     |
|         |                          |            | CSC1100     | COMPUTER LITERACY                      | 4.0       | B     |
|         |                          |            | CSC1104     | COMPUTER ORGANIZATION AND ARCHITECTURE | 4.0       | D+    |
|         |                          |            | CSC1107     | STRUCTURED PROGRAMMING                 | 3.0       | C+    |
|         |                          |            | CSC1108     | INDIVIDUAL PROJECT I                   | 4.0       | C     |
|         |                          |            | GPA : 3.39  |  | CGPA:3.39 |       |

| Year :1 | Academic Year :2015/2016 | Semester 2 | Course Code | Course Name                     | CU        | Grade |
|---------|--------------------------|------------|-------------|---------------------------------|-----------|-------|
|         |                          |            | BIS1204     | DATA & INFORMATION MANAGEMENT I | 4.0       | D     |
|         |                          |            | BIS1206     | SYSTEM ANALYSIS AND DESIGN      | 4.0       | D     |
|         |                          |            | CSC1214     | OBJECT ORIENTED PROGRAMMING     | 4.0       | C     |
|         |                          |            | MTH1203     | CALCULUS I                      | 4.0       | C     |
|         |                          |            | MTH2203     | NUMERICAL ANALYSIS I            | 3.0       | D     |
|         |                          |            | GPA : 2.42  |                                 | CGPA:2.91 |       |

| Year :1 | Academic Year :2015/2016 | Recess Term | Course Code | Course Name                       | CU        | Grade   |
|---------|--------------------------|-------------|-------------|-----------------------------------|-----------|---------|
|         |                          |             | CSC1303     | CISCO CERTIFIED NETWORK ASSOCIATE | 5.0       | A+ (AC) |
|         |                          |             | CSC1304     | PRACTICAL SKILLS DEVELOPMENT      | 5.0       | B       |
|         |                          |             | GPA : 4.00  |                                   | CGPA:3.03 |         |

| Year :2 | Academic Year :2016/2017 | Semester 1 | Course Code | Course Name                    | CU        | Grade |
|---------|--------------------------|------------|-------------|--------------------------------|-----------|-------|
|         |                          |            | BSE2105     | FORMAL METHODS                 | 4.0       | C+    |
|         |                          |            | BSE2106     | COMPUTER NETWORKS              | 4.0       | C     |
|         |                          |            | CSC2100     | DATA STRUCTURES AND ALGORITHMS | 4.0       | B     |
|         |                          |            | CSC2114     | ARTIFICIAL INTELLIGENCE        | 3.0       | C     |
|         |                          |            | MTH3105     | DISCRETE MATHEMATICS           | 3.0       | B+    |
|         |                          |            | GPA : 3.58  |                                | CGPA:3.20 |       |

| Year :2 | Academic Year :2016/2017 | Semester 2 | Course Code | Course Name                           | CU        | Grade |
|---------|--------------------------|------------|-------------|---------------------------------------|-----------|-------|
|         |                          |            | BIT2207     | RESEARCH METHODOLOGY                  | 3.0       | B     |
|         |                          |            | CSC1209     | LOGIC PROGRAMMING                     | 3.0       | C+    |
|         |                          |            | CSC2200     | OPERATING SYSTEMS                     | 4.0       | D+    |
|         |                          |            | CSC2209     | SYSTEMS PROGRAMMING                   | 4.0       | D     |
|         |                          |            | CSC2210     | AUTOMATA COMPLEXITY AND COMPUTABILITY | 3.0       | C+    |
|         |                          |            | GPA : 3.00  |                                       | CGPA:3.15 |       |

| Year :2 | Academic Year :2016/2017 | Recess Term | Course Code | Course Name         | CU        | Grade |
|---------|--------------------------|-------------|-------------|---------------------|-----------|-------|
|         |                          |             | CSC2301     | INDUSTRIAL TRAINING | 4.0       | B+    |
|         |                          |             | GPA : 4.50  |                     | CGPA:3.22 |       |

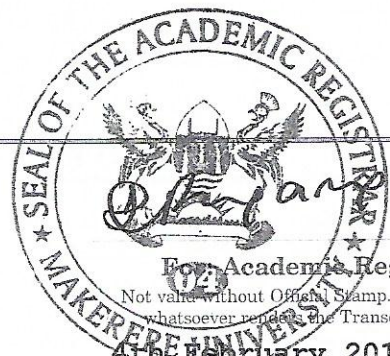
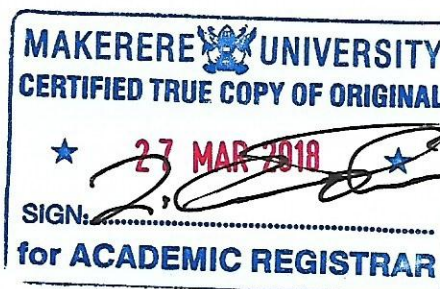
| Year :3 | Academic Year :2017/2018 | Semester 1 | Course Code | Course Name                         | CU        | Grade |
|---------|--------------------------|------------|-------------|-------------------------------------|-----------|-------|
|         |                          |            | BAM2102     | ENTREPRENEURSHIP PRINCIPLES         | 3.0       | B     |
|         |                          |            | CSC3118     | COMPUTER SCIENCE PROJECT I          | 5.0       | C+    |
|         |                          |            | CSC3119     | USER INTERFACE DESIGN               | 4.0       | B     |
|         |                          |            | CSC3120     | PRINCIPLES OF PROGRAMMING LANGUAGES | 3.0       | C+    |
|         |                          |            | MTH3107     | LINEAR PROGRAMMING                  | 3.0       | A     |
|         |                          |            | GPA : 3.94  |                                     | CGPA:3.35 |       |

| Year :3 | Academic Year :2017/2018 | Semester 2 |
|---------|--------------------------|------------|
|---------|--------------------------|------------|

Minimum Graduation Load(CUs):115 Total Credit Units Accumulated: 118  
Completion Date: May/June, 2018

Award: Bachelor of Science in Computer Science

Class Of Award: Second Class Honours - Lower Division



- A Credit Unit (C.U) is One Contact Hour per Week per Semester or a series of Fifteen (15) Contact Hours.
- The length of a Semester is Seventeen (17) weeks, Two (2) of which are for Examinations.
- Transcripts issued after April 2002 shall bear Photographs.

For Academic Registrar

Not valid without Official Stamp. Any alteration whatsoever renders the Transcript invalid.

4th February 2019



## KEY TO GRADES

The Grading System and Classification for Undergraduate Degrees and Diplomas is as follows:

| Registration Up to 1991<br>Classification of Awards   | Registration between 1992-1996<br>Classification of Awards  |
|---|---|
| <b>a) First Degrees</b><br>A 70 – 100% Excellent 1st Class Honours<br>B+ 60 – 69% Very Good 2nd Class Honours (Upper Division)<br>B 50 – 59% Good 2nd Class Honours (Lower Division)<br>C 40 – 49% Fair/Satisfactory Pass<br>D 35 – 39% (Compensatable Fail)<br>E 00 – 34% Fail<br><br><b>b) Undergraduate Diplomas/Certificates</b><br>70 – 100% Class One<br>50 – 69% Class Two<br>40 – 49% Class Three | <b>a) First Degrees</b><br>A 80 – 100% Excellent 1st Class Honours<br>B+ 70 – 79% Very Good 2nd Class Honours (Upper Division)<br>B 60 – 69% Good 2nd Class Honours (Lower Division)<br>C 50 – 59% Fair/Satisfactory Pass<br>D 45 – 49% (Compensatable Fail)<br>E 00 – 44% Fail<br><br><b>b) Undergraduate Diplomas/Certificates</b><br>80 – 100% Class One<br>60 – 79% Class Two<br>50 – 59% Class Three |

| Registration From 1997/98 to 2007/2008 AY |            |     |  |                         | Registration From 2008/2009 AY |              |             |                |
|---|------------|-----|--|-------------------------|--------------------------------|--------------|-------------|----------------|
| Grade                                     | Marks      | GP  | Classification of Awards                       |                         | Marks                          | Letter Grade | Grade Point | Interpretation |
| A   | 80 – 100%  | 5.0 | a) First Degrees                               | c) Certificates         | 90 – 100                       | A+           | 5           | Exceptional    |
| B+  | 75 – 79.9% | 4.5 | CGPA Class                                     | 4.40 – 5.00 Distinction | 80 – 89                        | A            | 5           | Excellent      |
| B   | 70 – 74.9% | 4.0 | 4.40 – 5.00 1st Class Honours                  | 2.80 – 4.39 Credit      | 75 – 79                        | B+           | 4.5         | Very Good      |
| B-  | 65 – 69.9% | 3.5 | 3.60 – 4.39 2nd Class Honours (Upper Division) | 2.00 – 2.79 Pass        | 70 – 74                        | B            | 4           | Good           |
| C+  | 60 – 64.9% | 3.0 | 2.80 – 3.59 2nd Class Honours (Lower Division) |                         | 65 – 69                        | C+           | 3.5         | Fairly Good    |
| C   | 55 – 59.9% | 2.5 | 2.00 – 2.79 Pass                               |                         | 60 – 64                        | C            | 3           | Fair           |
| C-  | 50 – 54.9% | 2.0 | b) Diplomas:                                   |                         | 55 – 59                        | D+           | 2.5         | Pass           |
| D+  | 45 – 49.9% | 1.5 | 4.40 – 5.00 1st Class                          |                         | 50 – 54                        | D            | 2           | Marginal Pass  |
| D   | 40 – 44.9% | 1.0 | 3.60 – 4.39 2nd Class (Upper Division)         |                         | 45 – 49                        | E            | 1.5         | Marginal Fail  |
| D-  | 35 – 39.9% | 0.5 | 2.80 – 3.59 2nd Class (Lower Division)         |                         | 40 – 45                        | E-           | 1           | Clear Fail     |
| E   | Below 35   | 0   | 2.00 – 2.79 Pass                               |                         | Below 40                       | F            | 0           | Bad Fail       |
| Pass Mark 50%                             |            |     |  |                         |                                |              |             |                |

- The Following 1st Degrees are not classified:  
– BVM, All Medicine-related Programmes except Pharmacy
- The Following Diplomas/Certificates are not classified:  
– All Medicine and Veterinary Medicine-related Programmes  
– Diploma in Theology

## KEY TO RESULTS / GRADING CODES

|                              |   |  |                                       |
|------------------------------|---|--|---------------------------------------|
| <b>AB</b> Absent             | <b>RR</b> Results obtained after a Repeat Year              | <b>Ex</b> Exempt                           | <b>IP</b> In Progress                 |
| <b>DY</b> Dead Year Granted  | <b>RS</b> Results obtained after Supplementary Examinations | <b>FE</b> Failed Elective                  | <b>SE</b> Special Examination Granted |
| <b>WD</b> Withdrawal Granted | <b>RT</b> Results obtained after Retaking a Course          | <b>RW</b> Results Withheld                 | <b>EL</b> Elective Course             |
| <b>NE</b> Not Examinable     | <b>CTR</b> Course to be Retaken                             | <b>GP</b> Grade Point                      | <b>EC</b> Extra Course                |
| <b>RE</b> Results Expected   | <b>UE</b> University Exhibition                             | <b>GPA</b> Grade Point Average             | <b>PP</b> Probationary Progress       |
| <b>AC</b> Audited Course     | <b>NP</b> Normal Progress                                   | <b>CGPA</b> Cumulative Grade Point Average | <b>CP</b> Conceded Pass               |

## KEY TO NATIONALITY CODES IN THE REGISTRATION NUMBER

U = Ugandan      T = Tanzanian      K = Kenyan      X = Others

## KEY TO FACULTY/INSTITUTE/SCHOOL ABBREVIATIONS

|  |   |
|--|---|
| <b>EASLIS</b> East African School of Library and Information Science | <b>MTSIFA</b> Margaret Trowell School of Industrial and Fine Arts                       |
| <b>IACE</b> Institute of Adult and Continuing Education              | <b>MUBS</b> Makerere University Business School   |
| <b>ISAE</b> Institute of Statistics and Applied Economics            | <b>FEMA</b> Faculty of Economics and Management   |
| <b>MUIP</b> Makerere University Institute of Psychology              | <b>MUIENR</b> Makerere University Institute of Environment and Natural Resources        |
| <b>FNC</b> Faculty of Forestry and Nature Conservation               | <b>IPH/MUSPH</b> Institute of Public Health/Makerere University School of Public Health |



A 1809238



NOV/DEC 2014 U.A.C.E.

EXAMINATION FOR THE UGANDA ADVANCED CERTIFICATE OF EDUCATION

WANYAMA SIMON PETER (AGE 18)  
BUSIA TRUST SECONDARY SCHOOL

U1244/527  
ENTRY CODE 5

Please see overleaf

GENERAL PAPER

ECONOMICS

MATHEMATICS

PHYSICS

SUBSIDIARY COMPUTER

SUBSIDIARY PASS

PRINCIPAL PASS

PRINCIPAL PASS

PRINCIPAL PASS

FAIL

\*\*\* U.A.C.E. RESULT 5 \*\*\*

| Subject<br>Grades | Paper Grades |   |   |   |   |   |
|-------------------|--------------|---|---|---|---|---|
|                   | 1            | 2 | 3 | 4 | 5 | 6 |
| 5                 |              |   |   |   |   |   |
| D                 | 4            | 6 |   |   |   |   |
| C                 | 5            | 4 |   |   |   |   |
| C                 | 6            | 5 | 1 |   |   |   |
| 7                 |              |   |   |   |   |   |



# Uganda National Examinations Board



This is to certify that the candidate named below sat for the Uganda Certificate of Education Examination in the year 2012, and qualified for the award of the

## Uganda Certificate of Education

### DIVISION I

THE CANDIDATE REACHED THE GRADE SHOWN IN THE SUBJECTS NAMED.

WANYAMA SIMON PETER

(AGE 16)

U1604/171

RENA COLLEGE, MAYUGE

P.O. BOX 1338 MAYUGE

|                     | GRADE                |
|---------------------|----------------------|
| ENGLISH             | 4 (FOUR)             |
| CHRISTIAN RELIG ED  | 4 (FOUR)             |
| HISTORY             | 3 (THREE)            |
| GEOGRAPHY           | 4 (FOUR)             |
| MATHEMATICS         | 2 (TWO)              |
| PHYSICS             | 5 (FIVE)             |
| CHEMISTRY           | 5 (FIVE)             |
| BIOLOGY             | 5 (FIVE)             |
| COMMERCE            | 5 (FIVE)             |
| COMPUTER STUDIES    | 4 (FOUR)             |
| SUBJECTS NAMED: TEN | SUBJECTS PASSED: TEN |

Secretary

Uganda National Examinations Board



Chairman

Uganda National Examinations Board

Not valid without a hologram with the UNEB crest.  
Hold this document to the light to verify the security  
watermark which can be seen through the paper.  
A thread is running vertically through the sheet.

U 2930154

(See overleaf)