

David Ouma

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Professional Summary

Highly skilled software developer and technical professional with over six years of experience in Python development, academic and scientific editing, and teaching mathematics and computer science. Proficient in full-stack development, cybersecurity fundamentals, and remote project delivery. Adept at creating high-quality solutions and guiding learners while ensuring precision, efficiency, and adherence to best practices.

Technical Skills

- ❖ **Programming and Development:** Python, SQL, Django, React/Next.js
- ❖ **Web and Software Tools:** Git, Docker, PuTTY, Datadog, containerised applications
- ❖ **Cybersecurity and Cloud:** IAM permissions, security best practices, full-stack deployment
- ❖ **Academic and Editing:** APA and scientific style editing, proofreading, research paper review
- ❖ **Other Skills:** Remote tutoring, project management, technical documentation, problem-solving

Professional Experience

Freelance Python Developer and Tutor: Remote; 2020–Present

- ❖ Developed Python solutions and guided learners in practical programming exercises.
- ❖ Tutored students in SQL, Python, and web development concepts, ensuring clear understanding and practical application.
- ❖ Delivered projects remotely while maintaining consistent communication and quality standards.

Academic and Scientific Editor (Freelance): Remote; 2018–Present

- ❖ Edited and proofread research papers, theses, and journal submissions with adherence to APA and scientific guidelines.
- ❖ Ensured clarity, grammatical precision, and proper formatting for clients worldwide.
- ❖ Collaborated with authors to preserve their voice while enhancing readability and academic compliance.

Mathematics and Python Teacher: St Benard High School; 2016–2022

- ❖ Instructed students in Mathematics and Python programming.

- ❖ Designed lesson plans and assessments to improve understanding of technical concepts.
- ❖ Mentored students in practical problem-solving and coding exercises.

Education

University of the People: Bachelor of Science in Computer Science; 2025–Present
ALX Africa: Full-Stack Software Engineering and Cybersecurity Training; 2023–Present

Egerton University: Bachelor of Science in Pure and Applied Mathematics and Statistics; 2009–2013

Power Learn Project : Software Development

- ❖ **Django/React Full-Stack Projects:** Developed and deployed web applications with backend APIs and responsive front-end interfaces.

Projects and Technical Work

- ❖ **WhatsApp Message Recovery Tool (Python):** Built a script to retrieve deleted messages for personal learning projects.
- ❖ **Technical Documentation and Editing:** Produced clear, professional documentation for software and research projects.

Key Strengths

- ❖ Strong problem-solving and analytical skills
- ❖ High attention to detail in coding and editing
- ❖ Effective remote collaboration and project management
- ❖ Ability to simplify complex technical concepts for learners and clients

References

Available upon request

University of the People

Unofficial Academic Record Key

Issued Date

Student name:	David Odhiambo Ouma
addressAA	Kisumu
	Kisumu, Kenya, 100
programAA	Courses taken as a non-degree seeking student
studentIDAA	S597373
Birth date:	May 20, 1986
Enrollment date:	September 4, 2025

Degree Awarded:	N/A
Date Conferred:	

Courses taken as a non-degree seeking student

September 2025

		Repeated	Grade	Credits	G-Pts	A-Crds	E-Crds	GP-Crds	GPA
Course	Title								
UNIV 1001	Online Education Strategies		B	3	9				
	Term				9	3	3	3	3.00
	Cumulative				9	3	3	3	3.00

November 2025

		Repeated	Grade	Credits	G-Pts	A-Crds	E-Crds	GP-Crds	GPA
Course	Title								
ENGL 1102	English Composition 2		C	3	6				
CS 1111	Introduction to Computer Science		A	3	12				
	Term				18	6	6	6	3.00
	Cumulative				27	9	9	9	3.00

-----No entries below this point-----

Course identification system : The prefix at the beginning of the course code represents the area of study, and the first digit of the course number represents the level of the course. Levels are indicated as follows:
0 Courses below the 1000 level are preparatory in nature and may not be credited toward a University of the People degree

1&2 Undergraduate course, lower-division
3&4 Undergraduate course, upper-division
5 Graduate courses, graduate division

Title: Full course name
Grade : Final letter grade
Credits : Number of credits assigned to the course
G-Pts (Grade Points): Grade Points earned at each course are determined by multiplying course credits by the appropriate point value. Grade Points are only calculated for credit courses. For example a C equals a 2.00 point value. To calculate G-Pts, multiply the 2.00 point value by the number of course credits.
A-Crds (Attempted Credits) : Attempted Credits include the total number of course credits taken excluding dropped courses.
E-Crds (Earned Credits): Earned Credits include the total number of course credits successfully completed.
GP-Crds (Grade Point Credit) : Grade Point Credits represent the number of credits that are calculated into the GPA. This includes all for credit courses except Pass/Fail courses.
GPA (Grade Point Average) : Grade Point Average is calculated by dividing the G-Pts by the GP-Crds (G-Pts / GP-Crds).

Academic Calendar and Enrollment Terms:

The academic year consists of five terms. Each ten weeks in length. All courses taken at the University are listed under the term in which they were taken.

Grading system

The university offers a four-point grading system as follows:

Undergraduate		
Letter Grade	Grade Scale	Point Value
A+ Excellent	98-100	4.00*
A Excellent	93-97	4.00
A- Excellent	90-92	3.67
B+ Above Average	88-89	3.33
B Above Average	83-87	3.00
B- Above Average	80-82	2.67

C+ Average	78-79	2.33
C Average	73-77	2.00
C- Average	70-72	1.67
D+ Poor	68-69	1.33
D Poor	63-67	1.00
D- Poor	60-62	0.67
F Fail	Under 60**	0.00

Graduate

Letter Grade	Grade Scale	Point Value
A+ Excellent	98-100	4.00*
A Excellent	93-97	4.00
A- Excellent	90-92	3.67
B+ Average	88-89	3.33

B Average	83-87	3.00
B- Average	80-82	2.67
C+ Low Pass	78-79	2.33
C Low Pass	73-77	2.00
C- Fail	70-72	1.67
D+ Fail	68-69	1.33
D Fail	63-67	1.00
D- Fail	60-62	0.67
F Fail	Under 60**	0.00

*Grade points assigned to an A+ letter grade were changed from 4.33 to 4.00 in September 2012.

**Under 73 (C) in English Composition 1 (ENGL 0101) and Developmental Algebra (MATH 0101)

Grades not calculated in GPA:

P (Passing) Indicates completion of the course duties with academic work equivalent to a D- or above.

W (Withdrawal) Withdrawal indicates that the student withdrew from the course or was removed from the course by the University due to inactivity.

Achievements (credits and grades) earned as Non Degree Seeking Students will be counted towards an Undergraduate Program C/GPA.

It is the policy of the university not to grant any other party access to this information without the written consent of the student/graduate.

If you have additional questions about this document, please contact your program advisor.

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Power Learn Project

#1MillionDevs4Africa

CERTIFICATE OF ACHIEVEMENT

This is to certify that

David Ouma

*Successfully completed a 16 week program in Software Development
covering Python, Web development, Dart Programming, Database Design & Programming with SQL, Business
Communication Skills & Entrepreneurship (Soft Skills), Computing Essentials*

VALID CERTIFICATE
ID



December 2023

佐々木 健二
Sasaki Kenji
(Next Chymia - CEO)


Mumbi Ndung'u
(Chief, Growth and
Operations)

