

PASCAL OMOLO ALOO

D.O.B 04/04/1996 | Nairobi | Tel: +254 702034103 | Email: alooopascal@gmail.com |
www.linkedin.com/in/pascalaloo

RESUME

Summary	A sustainability-driven leader with a background in Mechatronic Engineering and a strong interest in technology. Keen on using my innovation and problem-solving ability to help create and implement solutions to the challenges Africa faces.	
Education Experience	<p>2019 – Date, Jomo Kenyatta University of Agriculture and Technology M.Sc. Mechatronic Engineering Ongoing</p> <p>2013 – 2018, Jomo Kenyatta University of Agriculture and Technology B.Sc. Mechatronic Engineering Achievement: First Class Honors</p> <p>2008 – 2012, Upper Hill Secondary School Achievement: Scored A- (80 out of 84 points)</p>	<p>Additional Certifications</p> <ul style="list-style-type: none">• Programmable Logic Controllers• Web Design & Programming• French (DELFI B1)• NBL Apprenticeship Program• Lapid Leaders Leadership Experience• Fabrication and Programming (Prof. Aoki Shohei)
Professional Experience	<p>Co-founder & Chief Technical Officer April 2017 – January 2021, Simatech Integrated Solutions Lead all technical aspects of Simatech, an organization that builds automated liquid vending machines in the WASH Sector. Key roles include developing the company's technical master schedule, developing machines' computer programme, supervising technical work at the company's workshop, developing technical specifications, managing local fundraising, managing company website e.t.c.</p> <p>Lead Consultant & Head of Product Development June 2014 – April 2017, Per Tech Solutions Led the Hardware Division of the Company, a prototyping consultancy. Managed customer acquisition, project planning and implementation of client projects. Developed company strategic plans and business plans. Recruited and managed company personnel.</p> <p>Trainer & Head of Outreach January 2016 – Dec 2017, Akirachix Foundation Managed a team of 8 trainers and 40 volunteers in delivering the Company's Outreach Program. Led the development of various curricula for training camps and outreach programs. Analyzed technological trends and executed new training modules for trainings.</p>	
Project Experience	<p>Interesting technical projects I have worked on include:</p> <ul style="list-style-type: none">- A commercial grade dehumidifier for Majik Water Ltd; a device that would collect water from the atmosphere through the process of adsorption.- An electoral voting system for use in campus elections that included a physical electronic voting system, an onboard tallying system and a live election progress bar, as well as final results display.- An annual club robot called The SES Bot, that incorporates an onboard camera, ultrasonic range finders and cliff sensors to create an autonomous robot.- (Ongoing) A Machine-learning based animal health monitoring solution incorporating an animal tag measuring temperature and motion habits of animals and predicting their health and oestrus condition.	

Leadership Experience	<p>Chairman, Society of Engineering Students, JKUAT Managed a team of 15 executive committee members in running the affairs of the Engineers Society. Led the development of a strategic plan to guide the Society's activities. Spearheaded the formation of corporate partnerships. Key achievements include:</p> <ul style="list-style-type: none"> - Discovered and executed new innovative models for income generation at the club that shifted away from the traditional models and saw a 65% increase in club income and partnerships. - Increased club membership by 200 % by effective outreach and delivering quality services. - Introduced a new radical concept called 'The Mentorship Round Table' that made it much easier for students to access and meet with industry mentors they admired. - Pioneered an automatic Voting System that was implemented in the General Elections of the Society of Engineering Students, and has been borrowed all across the institution. <p>President, Connect and Recruit Docket, Lapid Leaders Africa Led the organization's docket tasked with recruiting new Cohorts and connecting to potential clients. Key achievements include:</p> <ul style="list-style-type: none"> - Nominated for Overall Most Excellent Leader in my Cohort - Introduced the use of digital storage systems to provide for sustainable long-term data storage. <p>Program coordinator, Tuelewane Project, Upper Hill School Led the first-ever social project in Upper Hill School. Initiated a local portal through which students could get intimate counselling on social problems, donate personal items and school fees to the less fortunate students in the school.</p>		
Skills	<ul style="list-style-type: none"> - Technical: Product Design, Web design, Programming (Python, Java and Arduino), basic accounting and bookkeeping, sketching and drawing, mechatronic engineering. - Operations: Report writing, project management, strategy planning, problem-solving - Leadership: Team building, effective communication (Toastmasters International), delegation of tasks, setting and monitoring team milestones - Languages: English, Kiswahili, French (Intermediate) 		
Personal Interests	Travelling on a budget, Reading, Socializing.		
Referees	<p>Mr. Jared Ouko Executive & Leadership Coach, International Coach Federation. Tel: +254 722 705109 Email: jared.ouko@kenblanchard.com</p>	<p>Ms. Marie Githinji Co-founder & Director, Akirachix Foundation Tel: +254 722 709 900 Email: mgithinji@akirachix.com</p>	<p>Dr. Evan Murimi Research supervisor, Faculty Member, JKUAT Tel: +254 720 795 000 Email: murimi.evan@eng.jkuat.ac.ke</p>