

# Trevor Agola

Student, Electrical and Electronics Engineering

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## Professional Summary

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. A fast learner with willingness to take on added responsibilities to meet team goals. Tech enthusiast with sound knowledge in emerging technologies and their successful integration to business, work and productivity.

### Soft Skills

- Excellent Professional Communication and Courtesy
- Design Thinking approach to Problem Solving
- Attention To Detail
- Planning and Coordination
- Teamwork and Collaboration

### Programming Languages

- Python
- C++
- Matlab
- Android Kotlin
- HTML/CSS

### Work History

Jan 2023- April 2023 **Electrical Design and Fabrication Intern Engineer | Gearbox Kenya**

- PCB design using KiCAD and fabrication.
- Efficient programming of Atmel-based boards such as Arduino Uno and Arduino Mega using C++, Raspberry Pi boards such as Pi 3, 4 Pi Pico and Pico W using python.
- Creative project-based use of sensors, motors and other compatible microcontroller shields.
- Tasked with problem definition, ideation and design of electrical and electronic circuits that suit customer requirements.
- Assisted with day-to-day operations, working efficiently and productively with all team members.

Sept 2022- Current **UI/UX Team Lead | Google Developer Students Clubs, Kenyatta University**

- Got involved in planning, preparing and executing meetups to teach and assist students in learning about User interface and user experience design, and industry best practices in the field.
- Created poster templates for the club events and learnt team management and collaboration.
- Demonstrated strong organizational and time management skills while managing multiple projects.

Jan 2023- Current **Publicity Chair | IEEE Circuits and Systems Society, Kenyatta University Student Body**

- Built and strengthened industry partnerships to improve product placements, amplify coverage and maximize effectiveness of marketing strategies.
- Collaborated with other subcommittees to develop integrated branding and public relations strategies.
- Cultivated strong corporate image and identity with clear branding, including creation of social media accounts on LinkedIn and Twitter.
- Oversaw team of communications and media relations volunteers with focus on achieving PR results.
- Increased brand awareness through development and implementation of successful public relations campaigns.

### Education

Aug 2019- Current **Bachelor of Science, Electrical and Electronics Engineering**  
Kenyatta University, Nairobi Kenya

- Electrical system design: Designing electrical systems for a variety of applications, including power generation, transmission, and distribution.
- Power electronics: Power electrical engineers have expertise in power electronics, which involves the use of electronic devices to control and convert electrical power.
- Circuit analysis: Analyzing and designing complex electrical circuits and systems.
- Control systems: Calculation and design of control system to increase faster response time and minimize noise in power systems.
- Energy storage: Familiarization with energy storage technologies, such as batteries and capacitors, and their use in electrical power systems.
- Safety: Ensuring the safety and protection of electrical systems, proper use of electrical safety equipment and emergency procedures
- Project management: Managing projects related to the design, installation, and maintenance of electrical systems.

Aug 2019- Current **Google UX Professional Certificate**  
Google Coursera, Online

- Foundations of User Experience (UX) Design
- Start the UX Design Process: Empathize, Define, and Ideate
- Build Wireframes and Low-Fidelity Prototypes
- Conduct UX Research and Test Early Concepts
- Create High-Fidelity Designs and Prototypes in Figma
- Responsive Web Design in Adobe XD
- Design a User Experience for Social Good & Prepare for Jobs

### Referees

- **Eng. Martin Nzomo** | Senior Lecturer, Kenyatta University  
Email: mmmnzomo@yahoo.com.