

# Boniface Thurania

9283507653

thuranib@my.erau.edu

www.linkedin.com/in/boniface-thurania

<b>OBJECTIVE</b>	Detail-oriented student seeking an internship to apply acquired knowledge for real-world problem-solving	
<b>EDUCATION</b>	Embry-Riddle Aeronautical University <b>Bachelor of Science, Computer Engineering</b> Area of Concentration: Space	Prescott, AZ May 2024
<b>PROJECT</b>	<b>Science Engineering Fair 2018</b> - Governance Tracking Software: Led a 2-member team, devised project plan, designed prototype, and received recognition for innovation up to the regional competition.	
<b>EXPERIENCE</b>	<b>Smart Home Automation:</b> Contributed to a 4-person team in the successful implementation of an IoT-based Smart Home Automation project using Arduino Uno, serving as a central unit. Presented this achievement at a STEM club showcase.  <b>Robotics competition:</b> Collaborated on a 4-member team to create a precision sensor-based Lego robot. Engineered to sort and collect golf balls within a constrained operational area, as part of an Introduction to Engineering class. <b>Senior Astro Capstone:</b> Contributed to code review and assisted in turbine control implementation for the project.  <b>Embedded systems using TM4C123G dev board:</b> Independently executed C projects, integrating a 3-axis accelerometer for mini-games and controlling a 4-phase unipolar stepper motor with LED screen display. <b>Farm Poa – Automated Irrigation control for max crop yield:</b> Automated Irrigation for Max Yield: Personal project focused on designing and implementing a soil moisture sensor using the ESP32 WROVER kit to enhance agricultural efficiency.	
<b>INTERNSHIP EXPERIENCE</b>	<i>Scriptsoft Ltd.</i> <b>IT Intern</b> <ul style="list-style-type: none"><li>Delivered website design and editing services.</li><li>Computer network set up for centralization.</li></ul>	Nairobi, Kenya June 2023 – September 2023
<b>WORK EXPERIENCE</b>	<i>ERAU</i> <b>Intermural referee and coordinator</b> , Department of Athletics <ul style="list-style-type: none"><li>Organized equipment and managed member check-ins as per schedule.</li><li>Officiate games and keep record of the results.</li></ul> <b>Play station shop</b> , business - Kenya <ul style="list-style-type: none"><li>Game setup and technical support.</li><li>Handling payments and ensuring customer satisfaction.</li></ul> <b>Freelance photographer</b> , business - Kenya Assistant wedding photographer, set up lighting for videography.	Prescott, AZ Feb 2022 – present  January 2019 – May 2020  January 2020 – July 2020
<b>SKILLS</b>	<i>Engineering Software:</i> MatLab, Programming in C/C#, embedded systems, web development <i>Office Software:</i> Microsoft Office suite, Teams <i>Technical:</i> Computer architecture, Data analysis, software development <i>Languages:</i> Swahili (fluent), German (basic), ameru (fluent)	
<b>LEADERSHIP/ INVOLVEMENT</b>	Team leader – Duke of Edinburgh awards, Entrepreneurship & Leadership organizer- 2017 -2018 VP - service, National Society of Collegiate Scholars, ERAU Chapter, Spring 2022-Fall 2022, Community leader(volunteer)	
<b>AWARDS</b>	Duke of Edinburgh 3-level certification (Gold, silver, bronze levels) ERAU Dean’s List, M-pesa Foundation Academy tertiary education scholarship	