

JUSTIN LUKOSE

+1(770)576-5959 ◇ Snellville, Georgia

jlukose2@students.kennesaw.edu ◇ [linkedin.com/in/jluk927](https://www.linkedin.com/in/jluk927) ◇ portfolio.jjluk.net

EDUCATION

Kennesaw State University

Bachelor of Science, Computer Engineering 3.67 GPA

Kennesaw, GA

Graduation: May 2026

Grayson High School

High School Diploma; 3.72 GPA; 1500 SAT

Loganville, GA

Aug. 2021 – May 2022

WORK EXPERIENCE

Banfield Pet Hospital

Pet Care Assistant

Acworth, GA

Aug. 2023 – September 2024

- Participated in team meetings and training sessions to ensure best practices of pet care facility and procedures.
- Interacted with pet owners to provide information and support while addressing questions and concerns.
- Administered medications and treatments to animals under guidance of veterinarians in a fast paced environment.

SKILLS, INTERESTS, & PROJECTS

Project: Home Lab and Network Architecture

Computer Engineer / Systems Admin / Network Engineer

January 2024 – Current

- Built a home server from repurposed hardware, investing 300+ hours in research and implementation to deepen knowledge of systems and networking.
- Transitioned from a Debian Linux-based setup to a fully virtualized and containerized environment for scalable service hosting.
- Designed and deployed a secure home network with multiple subnets to improve performance, segmentation, and security across devices.
- Hand-routed and terminated CAT6 Ethernet cabling to optimize wired connectivity and ensure reliable throughput.

Project: eBike Conversion

Electrical & Mechanical Engineer

August 2025 – Current

- Converting a pedal bicycle into an electric bike by integrating a custom-designed axial-flux electric motor and lithium-ion battery pack.
- Designed and engineered a lithium-based battery system tailored for performance, efficiency, and safe power delivery.
- Studying bicycle mechanics and drivetrain design to ensure seamless integration of electrical and mechanical systems.

Research: “CRII: FET: Neuromorphic Processing Framework for Spatiotemporal Fusion of Visual Sensors”

Undergraduate Researcher / Volunteer

September 2022 – Current

- Contributed to manufacturing and assembly of UAV and edge robots.
- Designed and constructed CAD based models.
- Presented research at the Symposium of Student Scholars event, and the KSU MOVE Regional Symposium.

Skills: VBA, Javascript, Python, C++, VHDL, Assembly, React Native, CAD, LTSpice, MatLab, Proxmox, Linux

Interests: Programming, PC Building, Automotive Maintenance, Climbing, Crocheting, Woodworking

RELEVANT COURSEWORK

- CSE 1321 - Programming Problem Solving I
- EE 2501 - Digital Logic Design
- CPE 3000 - Computer Organization & Interfacing
- CPE 3020 - VHDL Design with FPGAs
- CPE 3030 - Advanced Embedded Design
- EE 3401 - Engineering Electronics
- CPE 4020 - Device Networks
- CPE 3500 - Embedded Digital Signal Processing