Logan Kessler

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Objective

Undergraduate researcher focused on developing resilient, low-power intelligent systems for real-world deployment. Motivated by a firsthand understanding that the world is not equally legible to everyone, and a belief that intelligent systems can close that gap. Experience with edge AI, autonomous vehicle perception, embedded systems, and robotics programming, with interest in human–robot interaction and wireless communication.

Education

University of Kansas, School of Engineering — Lawrence, KS
Bachelor of Science in Computer Science — *August 2025 – May 2029 (Expected)*

- Cumulative GPA: 3.78 | Kansas Heroes Scholarship Recipient
- Relevant Coursework: Programming I (EECS 168), Programming II (EECS 268, in progress), Introduction to Digital Logic Design (EECS 140, in progress), Calculus I (MATH 125, in progress), Introduction to Linguistics (LING 106)

Relevant Experience

ARISE AI Lab, KU I2S — Lawrence, KS
Undergraduate Researcher — *August 2025 – Present*

- Developed low-power, end-to-end edge AI models based on NVIDIA PilotNet.
- Reworked architecture for variable throttle and currently porting models to embedded hardware (ESP32-class devices).

Team Steam Robotics (FRC) — Lawrence, KS
Java Developer — *September 2022 – May 2025*

- Programmed competition robots in Java across three competitive seasons.
- Implemented AprilTags, autonomous path planning, and telemetry functions.
- Assisted with swerve drive mechanics and trained new members in Java.

Lawrence High School IT Work-Study — Lawrence, KS
Technical Support Intern — *August 2024 – May 2025*

- Provided troubleshooting support for students and staff.
- Managed networking and VoIP support.
- Assisted with hardware upgrade rollout, including device imaging and staff data migration.
- Wrote macros for inventory data management.

Skills

Programming Languages: Java, Python, C#, C++
Technical Skills: Debugging/troubleshooting, networking/VoIP, hardware setup
AI & Robotics: Embedded/edge AI development, autonomous systems

Certifications

CITI Research Training – Export Compliance (EAR/ITAR) and Responsible Conduct of Research (RCR)

- Completed required training covering data management, research ethics, peer review, and conflict of interest.

Interests

Education & Mentoring: Fostering team capability and outreach initiatives.
Autonomous Vehicles & Drones: Focus on perception, control, and edge deployment.
Human–Robot Interaction: Developing accessible interfaces for neurodivergent/autistic learners.
Systems at Scale: Designing reliable pipelines for model deployment.
Web & Mobile Development: Passionate about full-stack development.
Wireless Technologies & Networking: Exploring innovative protocols and applications in real-world scenarios.