Yegor Lushpin

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Available for 1st Co-op Fall 2026 and 2nd Co-op Summer 2027

EDUCATION

University of Cincinnati, Cincinnati, Ohio   Expected Graduation: May 2030
Bachelor of Science, Electrical Engineering   GPA: 2.91

Campbell County High School, Alexandria, Kentucky   Jun 2025
High School Diploma, Summa Cum Laude   GPA: 4.00

PROJECTS

Bearcats Electric Racing, University of Cincinnati   Aug 2025 - Present
- Worked as an electrical engineering team supporting the planning, design and integration of the high-voltage accumulator (battery pack) for a Formula SAE electric race car, focusing on electrical safety standards and performance specifications
- Drafted busbar and fusible link drawings for efficient manufacturing of critical overcurrent protection to comply with FSAE rules and electrical standards
- Designed a temperature monitoring system to validate thermal performance of the battery cells
- Validated different fusible link dimensions for design research using an oscilloscope

SunSketcher, Western Kentucky University   Feb 2024 – Aug 2025
- SunSketcher is a NASA-supported citizen science smartphone app that lets anyone in the path of totality automatically photograph total solar eclipses, contributing precisely timed images that help researchers measure the Sun's size, shape, and internal dynamics with unprecedented accuracy
- Programmed in SWIFT as a Junior iOS Dev on configuring the backup of the iOS SunSketcher app to the servers in an encrypted manner
- Modeled the Eclipse simulations based on the data collected in MATLAB in collaboration with NASA engineers and leading heliophysicists in the field

TECHNICAL SKILLS

Programming & Scripting Languages: Java, Python, C/C++, MATLAB, SWIFT
Software: Microsoft Office, LabVIEW, Linux, Git, Visual Studio Code, KiCad **Hardware**: Oscilloscope, Multimeter, soldering iron

CERTIFICATIONS

Microsoft Office Certificate, Word, Excel, PowerPoint | Issued May 2023

WORK EXPERIENCE

Wendy's, Alexandria Kentucky   Mar 2025 – Present
Crew Member
- Communicated effectively with the team, provided fast, friendly service in a high-volume setting, and learned how to keep Food Safety and Cleanliness Standards, earning a 97-99% cleanliness score as a store consistently
- Increased feedback survey amount by 125% and was awarded the first ever Employee of the Month at the store

ACTIVITIES & LEADERSHIP

Technology Student Association, Campbell County High School, Alexandria, Kentucky Aug 2023 – May 2025 Team Leader
- Led a small team to plan, build, and present Engineering, Coding, and CAD design projects at regional, state, and national TSA competitions
- Coordinated task assignments, deadlines, and practice sessions while mentoring teammates and representing the chapter in a competitive STEM environment