137 NELSON AVE, SARATOGA SPRINGS, UNITED STATES, 12866 •
DEANKURUZOVICH@ICLOUD.COM • 518-888-6938

DEAN KURUZOVICH

PROFESSIONAL SUMMARY

Aspiring Electrical Engineer with a strong foundation in programming and robotics. Experienced in developing AI tools and mobile applications, with leadership experience in robotics and educational settings.

EMPLOYMENT HISTORY

CALDARIUM DEVELOPER **2025 - 2026**
Caldarium ***RCOS @ RPI***

- Collaborated on a 2-person team labeling PDFs in Label Studio to train an AI NER model for hospitals. Independently developed a Python tool leveraging the OpenRouter API to automatically extract and annotate text from PDFs, reducing annotation time from 5 minutes per file to under 5 seconds while improving accuracy, saving hours of labor and accelerating project development.

SUMMER CAMP COUNSELOR **2024 - 2025**
Camp Saradac ***Saratoga Springs, NY***

- Supervised and led daily activities for groups of 10–30 children ages 5–12.

SCOREKEEPER **2024 - 2025**
Wilton Town Gavin Park ***Town of Wilton, NY***

CHESS INSTRUCTOR **2023 - 2024**
Beta Community Programs ***Saratoga Springs NY***

EDUCATION

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING **Sep 2025 - 2029**
Rensselaer Polytechnic Institute ***Troy, NY***

Physics Minor

HIGH SCHOOL DIPLOMA **Sep 2021 - 2025**
Saratoga Springs High School ***Saratoga Springs, NY***

3.7 GPA • SAT: 1460 (Math 780, Verbal 680)

SKILLS

Electronic Circuit Design, Robotics, Fusion 360, Python, MATLAB, GD Script, C, C++, Java, Excel.

LEADERSHIP

PRESIDENT OF SARATOGA SPRINGS HIGHT SCHOOL ROBOTICS CLUB
Saratoga Springs High School

Led the design and development of a robot and guided an 8 person team to the VEX Robotics State Championship.

PROJECTS

APP STORE DEVELOPMENT

- Developed and published an iOS goal-tracking app featuring Godot-based game mechanics and interactive progress visualizations.

ROBOTIC ARMS

- Designed and 3D-printed a 6-DOF robotic arm prototype using DC motors, servos, a Raspberry Pi, and a custom planetary gearbox. Currently redesigning the system to be more compact and implement camera-based closed-loop control.

LINKS

Portfolio Website: deankuruzovich.github.io, GitHub: github.com, LinkedIn: linkedin.com.