

ADRIANO ZAGAR

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EDUCATION

Cleveland State University

Bachelor of Mechanical and Electrical Engineering Integrated

- GPA: 3.5

Cleveland, OH

Aug. 2025 – May 2028 (Expected)

EXPERIENCE

Engineering and Manufacturing Intern

Re:Build Manufacturing

Avon, OH

May 2026 – Aug. 2026

- Exceeded production targets by 25%, completing 50+ CNC jobs of 500 parts each
- Increased production rates by 10% by developing an all-new tool inventory tracking system via Microsoft Excel
- Completed 10,000+ inspections to ensure customers receive flawless products
- Mentored new interns to accelerate their onboarding and integration into the work environment

Computer Lab Manager

Cleveland State University

Jan. 2026 – Present

Cleveland, OH

- Manage and maintain 50+ lab computers, performing hardware diagnostics, OS troubleshooting, and preventative maintenance to maximize system up time
- Support 50+ students and faculty weekly, resolving technical issues and reducing lab downtime through proactive software and network maintenance
- Coordinate with IT staff to implement infrastructure improvements and resolve escalated hardware, software, and network issues

PROJECTS

Handheld Embedded Calculator | End-to-End Product Development

May 2026 – Aug. 2026

Arduino IDE, ESP32, KiCad, SOLIDWORKS, C++

- Engineered a complete calculator system, including custom hardware, embedded firmware, and custom enclosure
- Optimized enclosure and PCB designs for cost-effective manufacturing and streamlined assembly
- Tested hardware prototypes iteratively, refining designs to improve manufacturability and reliability

Team-Developed Rocket and Flight Computer

Jun. 2026 – Aug. 2026

Formula SAE

Nov. 2025 – Present

SKILLS

Manufacturing & Machining: CNC Machining, Soldering, Quality Inspection, Assembly, 3D Printing

Automation & Controls: Rockwell PLCs, Allen-Bradley PLCs, Fanuc Robotics

CAD & Design: SolidWorks (CSWA), KiCad, EDA, PCB Design

Programming & Software: C++, MATLAB, PSpice, Arduino IDE, Microsoft Office

Languages: Croatian and some Spanish

CERTIFICATIONS

Certified SOLIDWORKS Associate (CSWA)

Certified Robotics Operator

Fanuc Cert Handling Tool Operations and Programming Certificate

ACTIVITIES & INTERESTS

Organizations: Choose Ohio First / STEM Fellows (2025 – Present)

Clubs: Upper 90 Football Club (2019 – 2025), Men's Soccer/Futsal Clubs (2025 – Present)

Other Interests: Sports, Exercise, Car Maintenance, Electronic Repairs, Video Games