

Anthony Retelewski

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EDUCATION

Case Western Reserve University <i>BS, Computer Science, Minoring in Math and Mechanical Design</i>	Expected: May 2028 Cleveland, Ohio
<ul style="list-style-type: none">• GPA: 4.0/4.0• Relevant Coursework: Data Structures & Algorithms, Logic Design & Computer Organization, Linear Algebra, Full-Stack Web Development	

EXPERIENCE

CWRU Quants <i>Quantitative Research Lead</i>	March 2025 - Present Cleveland, Ohio
<ul style="list-style-type: none">• Engineered a sentiment analysis data ingestion pipeline for 200,000+ earnings call documents• Developed and deployed Natural Language Processing (NLP) models to perform sentiment analysis and identify key market-relevant topics• Architected a sophisticated feature engineering process using techniques like TF-IDF and word embeddings to convert linguistic patterns into quantitative features for machine learning models• Developed and evaluated dozens of quantitative metrics to capture linguistic and market-relevant patterns• Applied machine learning models to identify predictive signals from transcript-derived features	
CWRU Motorsports	Aug. 2024 - Present Cleveland, Ohio
<ul style="list-style-type: none">• Led complete redesign of the team website using Vite and TypeScript, increasing site traffic by 18% and improving performance, maintainability, and user experience• Co-developed a TypeScript-based inventory tracking system to streamline team stock organization• Designed, manufactured, and validated rear drivetrain yokes• Supported brakes subteam in the design, manufacturing, and testing of brake rotors and pistons	
CWRU Club Tennis <i>Tournament Coordinator</i>	Aug. 2025 - Present Cleveland, Ohio
<ul style="list-style-type: none">• Organized tournament logistics, including scheduling, travel, and rosters• Designed and launched custom club merchandise, incorporating team branding and member feedback	
FTC Robotics - Team 15118 <i>Team Captain, Lead Programmer</i>	Aug. 2022 - March 2024 Deerfield, Illinois
<ul style="list-style-type: none">• Designed, manufactured, and tested custom robotics components using CAD software and 3D printing• Programmed and tuned complex autonomous pathing/localization system in Java, printed and built custom odometry pod system• 2024 state semifinalists, 2x Design Award 1st place, Inspire Award 3rd Place	

PROJECTS

Stock Price Estimation <i>Columbia University Summer Program</i>	
<ul style="list-style-type: none">• Developed a deep learning model in Python to estimate future stock price movements from time-series data• Integrated sentiment analysis to improve model accuracy and confidence• Utilized hundreds of live financial data points from Yahoo Finance API for training and validation	
Custom FPV Drones	
<ul style="list-style-type: none">• Extensive experience in custom building, flying, and programming FPV drones• Programmed microelectronics using Betaflight firmware• Developed autonomous return-to-home flight capabilities	

CERTIFICATIONS, SKILLS & INTERESTS

- Certifications: SolidWorks CAD Design Associate
- Technologies: Python, Java, Git, JavaScript, TypeScript, Pandas, Numpy, Siemens NX, SolidWorks
- Skills: Critical-thinking, communication, collaboration, adaptability, attention to detail
- Languages: English (native), Polish (fluent)
- Interests: Tennis, Climbing, Drones, Photography, Wakeboarding