Nickolas Regas

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Summary

Aspiring engineer with a passion for solving real-world challenges through innovative coding, systems, and design. Experienced in developing autonomous drones, teaching robotics, and creating digital tools for professional use. Brings creativity, clear communication, and a strong work ethic to all projects, with a drive to advance technology and engineering.

Education

Washington University in St. Louis — St. Louis, MO
B.S. in Electrical Engineering and Financial Engineering, Minor in Computer Science — May 2029
Relevant Coursework: Introduction to Computer Science, Introduction to Electrical Engineering, Computer-Aided Design

Westfield High School — Westfield, NJ
GPA: 4.270 — June 2025
SAT: 1550 (Math: 800, EBRW: 750)
Cyberstart (Cybersecurity Competition) Semifinalist, Finalist

Skills

Technical:

- Programming Languages: Python (Advanced), Java (Intermediate), MATLAB (Intermediate), C++ (Intermediate)
- Tools & Frameworks: WordPress, SolidWorks, Zapier, PyTorch, LaTeX, and Unity
- Certifications: MATLAB, CPR, and First Aid

Soft Skills:

- Project Management, Leadership, Teamwork, and Problem-Solving

Experience

Patel Law Offices — Clark, NJ
IT Specialist/Consultant — November 2024 – Present

- Manage and maintain 10+ WordPress websites on IONOS hosting, ensuring optimal performance, security, and runtime
- Develop 20+ Zapier automation workflows linking Gmail, Mailchimp, Google Contacts, and LexHelper, improving efficiency by 40%
- Refurbished and redeployed 5 outdated computers and servers, saving over $1,000 in hardware costs
- Enable 5+ legacy and x86-only applications on ARM-based laptops by implementing and optimizing emulation solutions, expanding software compatibility

The Coder School — Berkeley Heights, NJ
Code Coach — June 2025 – August 2025

- Taught programming and game logic to 12 Elementary school students with Minecraft Education
- Led robotics sessions where students built and programmed robots using block-based Python coding
- Empowered students to understand fundamental computing concepts through dynamic, engaging lessons

Projects

Stock Market Prediction Using AI-Based Analysis of News Headlines

- Built and trained a neural network in Python using PyTorch to predict stock market movements from news headlines
- Achieved ~60% prediction accuracy, demonstrating the potential of NLP-driven financial forecasting
- Applied Tokenization and text preprocessing to transform raw headlines into structured model inputs

Leadership & Activities

The Governor's School of New Jersey Program in Engineering & Technology — New Brunswick, NJ
Research Scholar — July 2024

- Developed and tested advanced pathfinding algorithms (A* & RRT*) for unmanned aerial vehicles in collaboration with Lockheed Martin, identifying the most efficient navigation strategies
- Selected to present at MIT's Undergraduate Research Technology Conference and publish paper in IEEE Proceedings
- Competitively selected as one of 60 scholars from NJ for a rigorous, monthlong engineering and technology program
- Mastered challenging coursework in Theoretical Physics, Robotics, Microcontroller Programming (C++), and game design with Unity