**Anthony Jimenez**

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**PROFILE**

Innovative Mechanical Engineering student at NJIT (4+1 Master’s in Computer Science) with a strong foundation in automation, software tools, and mechanical systems. CTO & Co-founder of Reminous, a startup focused on tech-enabled marketing solutions. Passionate about leveraging code to solve real-world problems in engineering, automation, and beyond.

**EDUCATION**

**New Jersey Institute of Technology (NJIT),** **Department of Mechanical and Industrial Engineering,** Newark, NJ

* **Major**: Mechanical Engineering/Computer Science    **Anticipated Graduation Date:** May 2028
* **Division-1 Athletics**: NCAA Division 1 Track and Field athlete

**WORK EXPERIENCE**

**Reminous,** Orlando, FL - Remote (05/2025 - Current)

***CTO & Co-Founder***

* Leading the software strategy for a marketing automation startup.
* Developed scripts to automate lead collection, database syncing, and customer outreach using Python.
* Built internal dashboards for sales tracking and team collaboration.
* Coordinating product development roadmap with design and marketing teams.

**Shock Tech Inc,** Mahwah, NJ (12/2024 - Current)

***Manufacturing Engineering Intern***

* Created multiple Python-based automation tools to streamline production processes and data analysis.
* Built an Excel VBA tool for isolator matching, reducing 8-hour task to seconds.
* Designed 3D-printed jigs in SolidWorks and supported waterjet/laser automation setups.

**Shock Tech Inc,** Mahwah, NJ (12/2023 – 12/2024)

***Testing Engineering Intern***

* Operated **Instron testing equipment** to conduct tensile, compression, and failure analysis across aerospace-grade elastomers.
* Automated large-scale data analysis for 2,000+ material samples using Excel macros.
* Conducted performance testing with Instron & LDS shaker systems.
* Wrote Python scripts for converting raw output into summarized engineering reports.

**Engineering and Software Projects**

***Turbocharged K20/K24 Honda Type-R Powertrain Build***

* Engineered a hybrid performance engine using K24 bottom end and K20 Type-R head, turbocharged for high-output power while maintaining long-term reliability.
* Designed and installed a custom turbo system, including intercooler, manifold, and oiling systems, fitted into a 1990s Honda EG chassis.
* Tuned engine maps using Hondata KPro, optimizing ignition, VTEC, boost, and fuel delivery for both power and efficiency.
* Built a diagnostic dashboard in Python using OBD-II to monitor AFR, MAP, boost pressure, and engine vitals.
* Achieved a final build weight of ~2,900 lbs and fuel efficiency of 26 MPG city / 36 MPG highway, balancing performance with real-world usability.
* Successfully merged mechanical design, turbo system fabrication, and computer science tools into a street-legal, high-efficiency Type-R inspired platform.

**TECHNICAL & PROFESSIONAL SKILLS (OR Professional Skills & Certifications)**

* **Technical Skills:** MATLAB, Python, SolidWorks, Excel(VBA Studio), Microsoft Office, Creo Parametric.
* **Certifications:** Red Cross First Aid/CPR/AED
* **Professional Skills:** Communications, Team leadership, Time management, Adaptability