

# TIMOTHY SANDS

| timsands777@gmail.com | (973) 316-0070 | www.timothy-sands.com | www.linkedin.com/in/timothy-sands |

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## EDUCATION

**CLEMSON UNIVERSITY: COLLEGE OF ENGINEERING, COMPUTING, AND APPLIED SCIENCES**

*Bachelor of Science in Mechanical Engineering*

*Dean's List (Spring 2025)*

*President's List (Fall 2025)*

Clemson, SC  
Expected May 2028

GPA: 3.53/4.0

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## EXPERIENCE

**LENTZ PLUMBING & HEATING**

*HVAC Crew Member*

Newark, NJ  
2025 - Present

- Worked as a crew member servicing, disassembling, and installing commercial boilers for apartment complexes
- Coordinated with team members in high risk scenarios to ensure both safety and productivity

**SINGLE POINT PRECISION**

*Machining Intern*

Boonton, NJ  
Summer: 2024 & 2025

- Revised Engineering drawings in CAD to provide dimensions useful for G-Code programming
- Shadowed aerospace and medical-grade projects
- Learned basic machine operation and maintenance

**MARTY'S RELIABLE CYCLE**

*Mechanic & Salesperson*

Randolph, NJ  
2020-2024

- Specialized in high-end mountain bike builds, set-up, maintenance, and sales
- Conducted over \$100,000 in sales per year while working part time
- Developed superior suspension tuning knowledge

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## EXTRACURRICULARS

**SANDS WEB DEVELOPMENT LLC**

*Founder*

Boonton, NJ  
July 2026 - Present

- Built, hosted, and maintained websites and AI workflow automations for small businesses
- Worked with clients through the design process to ensure functionality and satisfaction

**MOTORCYCLE RESTORATION & RESALE**

- Restored abandoned or crashed sport motorcycles and resell for profit
- Managed budget for each project to ensure profitability
- Learned various procedures to diagnose issues throughout all motorcycles

Boonton, NJ  
June 2025 - Present

**AUSTIN MARATHON & DELL'S CHILDREN'S FOUNDATION**

- Raised over \$1,100 to finish the Austin Marathon in support of Dell's Children's Foundation

Austin, TX  
February 2025

**MID TRAVEL TACOMA BUILD**

- Modified 3rd generation Toyota Tacoma to optimize balance of off-road capability and daily drivability
- Conducted all modifications, leading to learning metal fabrication, automotive wiring, general vehicle maintenance, and more
- Hand-picked design choices to tailor to project goal

Clemson, SC  
April 2023 - 2025

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## LEADERSHIP AND INVOLVEMENT

**PHI GAMMA DELTA FRATERNITY (FIJI) - CHI ALPHA**

*Scholarship Chair*

- Oversaw fraternity-wide academics and host daily tutoring hours for brothers

Clemson, SC  
Sep 2024- Present

**IPO INVESTING AT CLEMSON**

- Active member

Clemson, SC  
Aug 2026 - Present

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## TECHNICAL SKILLS

- *Fluent in French*
  - *CAD: SolidWorks (CSWA certified), NX*
  - *Programming: Bash, Java, Git, N8N, MATLAB, Agentic Workflows*
  - *Fabrication: Shielded Metal Arc Welding, Metalworking*
  - *Wiring: Automotive & Residential, Soldering*
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