

CHASE NEWBERRY

San Antonio, TX (willing to relocate) | C0727@tamu.edu | 830-428-8264

EDUCATION

Texas A&M University, College Station, Texas
Bachelor of Science in Mechanical Engineering

Aug 2025 – May 2029
GPA: 3.69

- Honors Academy Minor

Relevant Coursework:

- Statics, SOLIDWORKS, Differential Equations, Python, Statistics, Mechanics, Electricity and Magnetism

EXPERIENCE

Revive Mechanical LLC, Boerne, TX

Jun 2026 – Present

Founder & Owner

- Sourced, restored, and resold mechanical assets including bicycles, RC vehicles, and tools
- Utilized CAD modeling and 3D printing to design and manufacture solutions for clients
- Provided household services including small engine repair, gutter cleaning, and cedar removal
- Managed full financial operations and client billing, generating \$3,000+ in revenue across 13 client engagements

PROJECTS AND CLUBS

ASME Go Kart Project

Sep 2025 – Apr 2026

Frame Subteam Lead

- Led the design and fabrication of the frame using A513 carbon steel square tubing, coordinating with other subteams to accommodate drivetrain, steering, and braking systems
- Conducted FEA in SOLIDWORKS to optimize torsional rigidity and ensure safety while minimizing chassis weight
- Lengthened wheelbase for greater high-speed stability, resulting in 6-second faster lap times than competitors over a 24-second lap

Texas A&M American Society of Mechanical Engineers

Jun 2025 – Present

Logistics Officer

- Coordinated day-of logistics for weekly meetings and workshops, sourcing food and setting up event space on a fixed budget
- Sourced and ordered \$5,000 in tools and equipment to build an organization workspace for Technical Branch projects, timing purchases with project timelines

3D-Printed Brushless Motor

May 2026 – Present

- Designed a fully 3D-printable, outrunner-style BLDC motor from scratch
- Utilized an integrated-shaft design and toolless assembly process to keep build cost under \$25
- Achieved a maximum speed of 14,000 rpm and a stall torque of 0.22 N·m at 12 V

Texas A&M Cycling Team

Jun 2025 – Present

Treasurer

- Managed team finances, including \$20,000 in annual dues, University allocations, and sponsorships for 30 members
- Created yearly budget, planning payment and travel logistics for 6 in-state away races and 2 out-of-state national championships
- Processed member dues, merchandise sales, and reimbursements while maintaining ledger

SKILLS: SOLIDWORKS, 3D Printing, Statics, FEA, Python, Excel, Dial Calipers, Micrometers, Motors, Kinematics, Additive Manufacturing, Rapid Prototyping, DFMA, Soldering, Preventative Maintenance, Metal Fabrication, MIG Welding, Bill of Materials