

ARON GING

979-479-7072 | aron.ging04@gmail.com

EDUCATION

Texas A&M University

B.S. in Multidisciplinary Engineering Technology

- Concentration in Mechatronics: Robotics and Automation

Minor in Embedded Systems Integration

College Station, Texas

May 2028

SKILLS

Engineering Tools: SolidWorks, Fusion 360, MATLAB/Simulink, LabVIEW, Multisim, Autodesk CFD

Hardware & Systems: Microcontrollers, Digital & Analog Circuit Design, Electronic Instrumentation

Programming: Python, C, Assembly

Manufacturing: CNC Machining, CAM, MIG/TIG Welding, FDM 3D Printing

EXPERIENCE

Inteplast Group - AmTopp Concentrates

Lolita, Texas

Mechanical Engineering Intern

May 2026 – August 2026

- Developed ISO 9001 compliant Standard Operating Procedures for Quality Control equipment, production line startup and change over processes, and production line equipment calibration - preventing over \$46,000 in potential product loss every year.
- Evaluated and acquired FDM 3D printer capable of printing high-temperature resistant materials; bringing custom part fabrication in-house, cutting part costs by upwards of 95% and reducing downtime by 88% compared to outsourcing.
- Designed and 3D printed custom dust collection nozzles that complied with strict customer requirements, used CFD to optimize airflow for improved efficiency, and tested materials for best flexibility-to-heat resistance ratio. Implemented 5 nozzles on production lines, providing upwards of \$5,500 in annual savings each via eliminating manual cleanup.
- Evaluated product reclaim feeder operational metrics; formulated a square-root mathematical model of the data trend achieving 99.97% accuracy and engineered an automated calculation tool that streamlined workflow time from 5 hours to under 30 minutes.

Contract Fabricator

College Station, Texas

Self-Employed

February 2026 – Present

- Complete project-based MIG and TIG welding and fabrication assignments for commercial and private clients. Interpret designs and specifications to deliver custom modifications and repairs that meet client needs for fabrication work.
- Create CAD designs for custom parts manufactured for projects, along with generating toolpaths and NC programs for CNC milling and CNC plasma cutting.

Starforge Foundry

College Station, Texas

Vice-President of Operations

April 2025 – Present

- Oversee day-to-day operations, company finances, property management, managing business documentation, and facilitating student organization relations.
- Head Resource Manager for FDM 3D print farm, overseeing printing operations, maintenance, and developing custom systems to streamline quote-to-production processes and provide simple user experiences.
- Lead training and technical instruction, instruct MIG welding classes, and supporting student organizations with project development consultation.

PROJECTS

KRAKEN: High-speed CoreXY 3D-printer, custom tool-changing system, CNC-machined hardware, custom Klipper firmware, optimized electro-mechanical systems for performance.

Modular All-Terrain Rescue Vehicle: Independently redesigning to utilize ATV drivetrain, engineering custom independent suspension system, and upgrading chassis for increased loads. Secured \$2,500 in grant funding for development.

LEADERSHIP AND EXTRACURRICULARS

Founder, STEEL (2025-2026): Founded and scaled an engineering-focused student organization, directing operations, finances, and strategic partnerships with industry and other student organizations.

Staff Lead, FLiNT (2024-2025): Led a 16-student team through the design, fabrication, and delivery of a functional off-road rescue vehicle prototype within 6 months and a \$1,000 budget, coordinating sub-teams and instructing members in MIG welding, CAD, and drivetrain design.