

WILLEM M. JARON

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Mechanical engineering student at Georgia Tech pursuing a dual-degree program in physics and mechanical engineering, seeking a Summer 2027 engineering internship. Experience in engineering design, computational analysis, and experimental testing.

EDUCATION — DUAL-DEGREE ENGINEERING PROGRAM

Georgia Institute of Technology | Atlanta, GA *Expected December 2027*
Bachelor of Science in Mechanical Engineering

Oglethorpe University | Brookhaven, GA *Expected December 2027*
Bachelor of Science in Physics | Presidential Scholar
2024, 2025 SAA Spring Academic Honor Roll

TECHNICAL SKILLS

CAD & Design: SolidWorks, AutoCAD | **Engineering & Simulation:** MATLAB
Programming: Python, C++ | **Manufacturing:** 3D Printing, Laser Cutting, Machining(Mill, Lathe, Band-Saw)
Analysis: Experimental data analysis, performance dashboards, grading tolerances, cut-and-fill quantities

ENGINEERING EXPERIENCE

Amazon | **Area Manager Intern** | Tampa, FL *June–August 2026*

- Improved Inbound Downtime **DPMO** and Induct **PPH** by **5%+** by analyzing process data, identifying recurring bottlenecks, and implementing targeted operating improvements.
- Developed **BITE** (Belt-stop Identification Tracking Engine) to track conveyor downtime, recurring causes, and throughput losses across inbound operations.
- Built a performance dashboard combining downtime, productivity, and defect data to pinpoint station-level bottlenecks and support operating decisions.
- Led teams of **25+** associates across inbound operations and managed a **20-person** sortation process.
- Supported inbound operations processing up to **120,000 units** in a single day using real-time performance metrics.

Duininck Golf | **Field Engineering Intern** | Savannah, GA *June–August 2025*

- Analyzed survey measurements, grading tolerances, and cut-and-fill quantities on a **\$5M restoration project** to assess earthwork requirements, guide field adjustments, and reduce rework.
- Tracked daily crew progress and coordinated on-site grading work while leading crews and operating heavy machinery during the Landings Oakridge restoration.

PROJECTS

ME2110 Automated Competition Robot *Fall 2026*

- Designed, built, and tested an automated robot for a head-to-head Georgia Tech design competition using a structured engineering design process, mechanism selection, prototyping, and performance-driven iteration.

Hydroelectric Turbine Design Project *May 2025*

- Designed a small-scale hydroelectric turbine and optimized blade geometry; modeled components in SolidWorks and evaluated system performance through iterative testing.

LEADERSHIP & ACTIVITIES

Oglethorpe Men's Golf Team: Balanced **30+ hours/week** of NCAA athletics with engineering coursework.

Oglethorpe 6th Man, Founder & VP: Led events with **500+** attendees and increased engagement **40%**.

Member: American Society of Mechanical Engineers (ASME) • American Nuclear Society (ANS)