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Ryan Gast is a Staff Consultant for Engineering Systems Inc. (ESi) in the Materials practice group. Prior to joining ESi, he worked as a research assistant and was involved in projects centered around aluminum and magnesium alloys. He performed analysis of fracture surfaces, grain growth, fatigue lifetime, crack growth, and twinning within alloys. He has experience in metallurgical analysis methods such as metallography, optical microscopy, scanning electron microscopy (SEM), electron backscatter diffraction (EBSD), and energy dispersive X-ray spectroscopy (EDS).

Areas of Specialization

Metals
Polymers & Composites
Lab & Industrial Services
Failure Analysis

Education

M.S., Materials Science and Engineering, University of Michigan, Ann Arbor, MI, 2022
B.S., Materials Science and Engineering, University of Michigan, Ann Arbor, MI, 2023

Positions Held

Engineering Systems Inc., Dallas, Texas
Staff Consultant, 2023 – Present

University of Michigan College of Engineering
Materials Science & Engineering Research Assistant, 2022 – 2023

Consumer Affairs, Tulsa, Oklahoma
Intern, 2021