

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).

Education

MS, Materials Science and Engineering, University of Michigan, Ann Arbor, Michigan 2023

BS, Materials Science and Engineering, University of Michigan, Ann Arbor, Michigan, 2022

Positions Held

Engineering Systems Inc., Dallas, Texas

- Staff Consultant, 2023 – Present

University of Michigan College of Engineering, Michigan

- Materials Science & Engineering Research Assistant, 2022 – 2023

Consumer Affairs, Tulsa, Oklahoma

- Intern, 2021

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Areas of Specialization

- Metals
- Polymers & Composites
- Lab & Industrial Services
- Failure Analysis