

# Ashley Williams

## Senior Mechanical Engineer

A seasoned mechanical engineer with an extensive educational background, including an M.S. from the University of Michigan. Experienced in leading teams in developing next-generation systems, managing high-stakes projects while increasing productivity, and spearheading R&D efforts to incorporate innovative technologies. Skilled in CAD software, thermodynamics, and materials science, with a PE license.

### KEY SKILLS



- Advanced CAD (Creo, CATIA)
- Thermodynamics & heat transfer
- Materials science & selection
- Project leadership & budgeting
- PE-licensed

### EDUCATION



#### M.S. in Mechanical Engineering,

University of Michigan  
December 2022

#### B.S. in Mechanical Engineering

Michigan State University  
May 2018

### PROFESSIONAL EXPERIENCE



#### Senior Mechanical Engineer | Global Tech Ventures, Flint, MI June 2022 – Present

- Lead a team in developing defense-grade systems, boosting performance efficiency by 15% within six months
- Managed simultaneous high-stakes projects, raising productivity by 20% while adhering to budgets
- Spearheaded R&D initiatives to integrate cutting-edge materials, enhancing product performance

#### Mechanical Engineer | Buick (GM), Flint, MI January 2021 – May 2022

- Designed advanced automotive components in CAD, improving vehicle efficiency by 10%
- Coordinated cross-functional teams to deliver projects on time and under budget
- Conducted feasibility studies for EV technology, informing strategic product roadmaps

### CERTIFICATIONS



- Professional Engineer (PE), NCEES, August 2019