

# JAKOB WERLE

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## EDUCATION

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### Temple University

*Bachelor of Science in Mechanical Engineering*

**Philadelphia, Pennsylvania**

*Expected Graduation – Spring 2024*

## PROFESSIONAL EXPERIENCE

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### Temple Formula Racing FSAE

*Electrical Member*

**Philadelphia, Pennsylvania**

*Sept 2023 – Present*

- Designed wiring harness
- Figured out power draw issues

*President / Chief Engineer*

*June 2021 – June 2022*

- Lead design and fabrication of Formula SAE racing car for use in FSAE design competition
- Organized engineering and marketing projects using Gantt chart to streamline team workflow
- Delegated tasks to 40+ team member between 7 subsystems to meet critical deadlines
- Managed \$75,000 team budget
- Pursued sponsorships with vendors
- Recruited new TFR members and promoted teamwork

*Suspension Lead Engineer*

*June 2020 – June 2021*

- Designed wiring harness
- Figured out power draw issues

### NDI Engineering

*Mechanical Engineer*

**Thorofare, New Jersey**

*June 2022 – Present*

- Production on buoy drawings

### ANZE Suspension

*Junior Race Engineer*

**Jupiter, Florida (Remote/Traveling)**

*May 2022 – Present*

- Developed setup packages for F1600 and F2000 race cars

### Mishimoto

*Design Engineering Intern*

**New Castle, Delaware**

*May 2021 – August 2021*

- Designed radiator, cooling pipes, and other parts to increase vehicle performance
- Created 3D models of vehicle parts using SOLIDWORKS
- Drafted high detail engineering drawings of automotive parts using SOLIDWORKS
- Communicate designs requirements with QC team to maintain high quality and precision
- Followed strict CAD naming conventions and organized library in SOLIDWORKS PDM software

## PERSONAL PROJECTS

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### TECHNICAL SKILLS

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**Software:** SOLIDWORKS, Fusion 360, AutoCAD, Python, MATLAB, Microsoft Office Suite

**Hardware:** HAAS CNC mill and lathe, TIG welding, fabrication techniques, 3D scanning

## ACHIEVEMENTS

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