

# Aaron Rinehart

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## Experience

### Ground Integration Engineer

Nov 2023 – Present

🏢 NASA (Contractor)

Kennedy Space Center, FL, USA

- Automated the creation of closure evidence packages for integration level verification requirements using Python, VBA, and PowerShell.
- Coordinated 4 subsystem teams through the full design review lifecycle.
- Drafted Change Requests and Operations and Maintainability Requirements and Specifications (OMRS) from Stakeholder reviews, and guided the updates through board approval following comment disposition.
- Led the review and integration of external ICD revisions to ensure alignment across subsystems and resolution of Stakeholder comments.

### Pre-Feature Owner

Feb 2022 – Jul 2023

🏢 Ford Motor Company

Dearborn, MI, USA

- Developed HARA, FMEA, specifications, requirements, and other documentation for future EV features.
- Led a team of 10 internal Stakeholders to develop a EV powertrain feature from ideation to development ready in 6 months.
- Developed an AI/ML feature from ideation to production ready.
- Used MagicDraw for modeling of 3 future features.
- Developed new features in Stationary Moments and Commercial Electrification.
- Researched and scoped future features implementing blockchain technology.
- Filled in as Product Manager for Public Charging Team while role was back filled.

### Autonomous Driving Development Intern

May 2021 – Aug 2021

🏢 HATCI, Hyundai Kia America Technical Center, Inc.

Ypsilanti, MI, USA

- Verified and Validated embedded controls for V2X (Vehicle to Everything Communication) pilot project.
- Developed python scripts for simulated testing of V2X applications without Road Side Units.
- Created documentation and test plans for five new V2X applications.
- Assisted with ADAS benchmarking of competitor vehicles.

### Electrical Engineering Intern

May 2019 – Aug 2019

🏢 The Wooster Brush Company

Wooster, OH, USA

- Updated schematics of six legacy machines with safety critical improvements.
- Troubleshoot software incorporating sensors, computer vision, and robots.

## Education

### Bachelor of Science, Electrical Engineering

Aug 2017 – Dec 2021

🏛 The University of Toledo

Toledo, OH, USA

- ABET Accredited University

### Bachelor of Science, Computer Science and Engineering

Aug 2017 – Dec 2021

🏛 The University of Toledo

Toledo, OH, USA

- ABET Accredited University

## Competencies

🔗 Programming Languages: 🐍 Python, C/C++

🛠 Software: 🎨 Figma, 📄 GitHub, 🗂 JAMA, 🗨 Confluence/Jira, 📐 MagicDraw