


# Aaron Rinehart

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## Education

### Bachelor of Science, Electrical Engineering

*The University of Toledo, ABET Accredited*

Aug 2017 – Dec 2021

Toledo, OH, USA

- IEEE President
- First Year Design Course Teaching Assistant
- Global Public Health Brigades President

### Bachelor of Science, Computer Science and Engineering

*The University of Toledo, ABET Accredited*

Aug 2017 – Dec 2021

Toledo, OH, USA

- ACM Vice-Chair
- Intro to Object-oriented Programming Course Teaching Assistant
- Young Entrepreneur Society Treasurer

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## Career

### Pre-Feature Owner

*Ford Motor Company*

Oct 2022 – Present

Dearborn, MI, USA

- Responsible for new EV feature from ideation to development
- Developed HARA, DFMEA, and other documentation for new EV feature

### V2X Feature Development and Innovation Engineer

*Ford Motor Company*

Feb 2022 – Sep 2022

Dearborn, MI, USA

- Ideated and further developed new features in Stationary Moments and Commercial Electrification
- Researched and developed future features implementing blockchain technology
- Product Manager of Charge Assist

### Autonomous Driving Development Intern

*Hyundai-Kia America Technical Center, Inc.*

May 2021 – Aug 2021

Ypsilanti, MI, USA

- Assisted with validation and troubleshooting for \$17 million Tampa V2X pilot
- Created documentation and test plans for five new V2X applications
- Assisted with validation and troubleshooting of ADAS features

### Electrical Engineering Intern

*The Wooster Brush Company*

May 2019 – Aug 2019

Wooster, OH, USA

- Updated drawings of six legacy machines with safety improvements
- Troubleshoot software incorporating sensors, IR cameras, and robots

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## Skills

- 🏗️ **Atlassian:** Jira, Confluence
- 🚗 **Automotive:** ISO26262-FuSa, DFMEA, CANoe
- 🔄 **CI/CD:** GitHub Actions
- 🎨 **Collaboration Platform:** Figma, Miro, Bluescape
- 📦 **Content Management:** Git, GitHub
- 🖥️ **OS:** Windows, Linux, macOS
- 📄 **Primary Languages:** Python, C/C++, Rust, MATLAB
- 📐 **Systems Engineering:** MagicDraw