Aaron Rinehart

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Education

Bachelor of Science, Electrical Engineering   Aug 2017 – Dec 2021
The University of Toledo, ABET Accredited   *Toledo, OH, USA*
- IEEE President
- TA of First Year Design Course
- Global Public Health Brigades President

Bachelor of Science, Computer Science and Engineering   Aug 2017 – Dec 2021
The University of Toledo, ABET Accredited   *Toledo, OH, USA*
- ACM Vice-Chair
- TA of Intro to Object Orieneted Prgramming Course
- Young Entrepreneur Society Treasurer

Career

Pre-Feature Owner   Oct 2022 – Present
Ford Motor Company   *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   Feb 2022 – Sep 2022
Ford Motor Company   *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   May 2021 – Aug 2021
Hyundai-Kia America Technical Center, Inc.   *Ypsilanti, MI, USA*
- Assisted with validation and troubleshooting for 17M dollar Tampa V2X pilot
- Created documentation and test plans for 5 new V2X applications
- Assisted with validation and troubleshooting of ADAS features

Electrical Engineering Intern   May 2019 – Aug 2019
The Wooseter Brush Company   *Wooster, OH, USA*
- Updated drawings of 6 legacy machines with safety improvements
- Troubleshot software incorporating sensors, IR cameras, and robots

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Skills

- </> **Primary Languages:** Python, C/C++, Rust, MATLAB
- ⎔ **Content Management:** Git, GitHub
- 🐳 **Systems Engineering:** MagicDraw
- ⌥ **CI/CD:** GitHub Actions
- 🗄 **Databases:** SQL, DynamoDB
- 🚗 **Automotive:** ISO26262-FuSa, DFMEA, CANoe