

# Eli Ripperda

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(217) 242 6373

## Education

**Iowa State University** Ames, IA  
B.S. Computer Engineering

Expected Graduation: May 2025  
GPA: 3.3/4.0

## Work Experience

**Part-Time Student Software Engineer: John Deere** Ames, IA & Moline, IL Aug 2023 - Current

- Supported John Deere's Innovation Platform through technical customer support, presentations at Innovation Platform Community of Practice (CoP), and redesigning part of the interface to enhance user experience.
- Automated reporting by developing and maintaining a dashboard
- Drove efficiency, speed to value, and collaboration by serving as the Scrum Master for the Advanced IT Tech team
- Mentored a less-experienced member of the team

**Product Engineering Intern: John Deere** Fargo, ND May 2023 - Aug 2023

- Developed automated tests in a Python virtual environment (CATFISH) to validate an acceleration sensor
- Conducted research on a System on a Chip (SoC) containing a low-energy processor and a Bluetooth Low Energy (BLE) transmitter to optimize energy consumption for given sets of operating conditions

**Resident Assistant: Iowa State University** Ames, IA Aug 2022 - Current

- Provided leadership through event programming to 56 residents in the house and 1100+ residents throughout Friley Hall (dormitory) to create a cohesive community
- Enforced regulations and policies to maintain accountability and safety of 1100+ residents

**Product Engineering Intern: John Deere** Moline, IL May 2022 - Aug 2022

- Reduced internal stakeholder's time when making weekly reports by developing a data communication dashboard that displayed part chemical compliance data

**Sole Proprietor: Ripperda Lawn Services** Coatsburg, IL 2017-2021

## Leadership & Club Experience

**Ultramarathon Runner** Iowa State University Run Club Spring 2024

**President** Chi Alpha Christian Fellowship, Iowa State University May 2023-Current

- Plan, prepare, and execute events while leading weekly Small Group meetings

**Communication Committee** Employee Resource Group, John Deere May 2022-Aug 2022

**President** Chamberlain residential house, Iowa State University 2021-2022

## Skills

Agile & Scrum Workflows, Emotional Intelligence, Communication, Databricks, Java, MS Power BI, MS Office applications, MS Power Apps, J1939 CAN Protocol, GIT, circuit design with LTspice, VHDL, MIPS assembly language, Python, C / C++, Simple Embedded Software Development, deploying applications and databases on the (AWS) cloud, CI/CD, Containerization using Docker, Solidworks, Computer Aided Machining (CAM), Matlab, Backend Android App Development, Frontend Web Development: JavaScript, HTML, CSS, React

## Recognitions & Awards

ISU Innovation Prize Winner (2023), "Resident Assistant of the Year" for 2023-2024 school year at Iowa State University, Tau Beta Pi Scholar, Valedictorian of high school class, Daughters of the American Revolution Award, National Honor Society Scholarship, Recipient of 16 additional scholarships, Vigil Honor—Order of the Arrow, "Best Team Manager" for Software Development Course