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Connor Glosner Ph.D.

Education

Department of Engineering, Purdue University — West Lafayette, IN
Ph.D. in Electrical and Computer Engineering — 2022 - 2027 *(expected)*
- Advisor: Prof. Aravind Machiry
- Research area: Systems Security

Department of Engineering, Rensselaer Polytechnic Institute — Troy, NY
B.E. in Computer and Systems Engineering — 2018 - 2022

Publications

1. **Connor Glosner**, Aravind Machiry. FuzzUEr: Enabling Fuzzing of UEFI Interfaces On EDK-2. *Network and Distributed Systems Security*, 2025.
2. Sourag Cherupattamoolayil, Arunkumar Bhattar, **Connor Glosner**, Aravind Machiry. Adding Spatial Memory Safety to EDK II through Checked C (Experience Paper). *International Symposium on Software Testing and Analysis*, 2025.

Internships

Northrop Grumman, Systems Engineering Intern | Remote — Summer 2024 - 2025
- Worked on full spectrum systems security.

Northrop Grumman, Systems Engineering Intern | Cinncinatti, OH — Summer 2022 - 2023
- Worked on full spectrum systems security.

Northrop Grumman, Systems Engineering Intern | Remote — Summer 2021
- Applied machine learning techniques using acoustic data for oyster reef identification.

Northrop Grumman, Systems Engineering Intern | Remote — Summer 2020
- Researched vehicle-to-everything (V2X) communication systems and identified vulnerabilities.

Near Field Magnetics Inc., Software Developer | Remote — Summer 2020
- Developed an application to configure sensors for wireless networks.
- Implemented synchronization of sensors for data transmission and real-time display in the app.

Rensselaer Polytechnic Institute, Researcher | Troy, NY — Fall 2019 - Spring 2020
- Implemented machine learning in power grid systems to optimize load distribution during oscillation or source failure.

Northrop Grumman, Systems Engineering Intern | Baltimore, MD — Summer 2019
- Performed modeling and simulation on ground radars.
- Developed computer vision software with machine learning.

Awards and Honors

- **Fellowship**, NDSS Student Fellowship — 2025.1

Skills

Programming: `C`, `C++`, `Python`, `Rust`, `MATLAB`, `GIT`.