Joseph Rendleman - *Computer Engineer*

University of Minnesota - BCompE

Contact

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Creative and Passionate Comupter Engineer who's excited to innovate and learn in a fast paced, well balanced work environment. Looking for a position in embedded engineering preferrably working with sustainability and electrification.

Experience

Silicon Validation Engineer - HPE (08/2023-Current)

- Write and maintain tools and test writing frameworks for both Emulated and Lab testing of HSN ASIC's.
- Provide risk estimates to project leads for decisions on FN and TR.

Electical Team Technical Lead - UMN Solar Vehicle Project (05/2021-05/2023)

- Write and test embedded software for the plug-in charger and lights control boards.
- Design, manufacture, and test PMSM motor for vehicle drivetrain.
- Development of a strategy solver software
- Lead and educate younger engineers and help make critical race strategy decisions.

Silicon Validation Intern - HPE (06/2022-08/2022)

- Develop small parts of test infrastructure to help team advance quickly
- Learn about validation engineering and the structure of a Cray Supercomputer

Undergraduate Researcher - UMN ECE (02/2021-05/2022)

- Model a Neural Network for use in 5G network channel estimation
- Model a Neural Network for predictions of HLA-protein binding strengths used in COVID immunology.

Campus Tour Guide - UMN Visit Office (05/2021-08/2021)

- Engage prospective students and parents and provide them with an introduction to the university.

IT Help Desk Specialist - UMN IT (05/2020-08/2020)

- Support Alum, Faculty, Staff, and Students with university related software and hardware issues.

Media and Technology Intern - Edina Public Schools IT (05/2018-08/2018)

- Image, fix, and maintain district computers to prepare them for the next year.

Skills

Hard Skills	Soft Skills	Programing Languages/frameworks
Microcontroller firmware	Creative Thinking	Python
CAN	Problem Solving	C/C++
Lab Testing	Leadership	Bash
AI/ML	Teamwork	Make
JIRA		MATLAB
Github		Java
Github Copilot		JavaScript
Unit Testing		pytest
Ethernet		UVM