Professional Biography

Contact Information
Kelly Deal

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Experience
Research and Development Co-op, Siemens (3 semesters)
- Researched and developed a method to use Llama 3.1 to create synthetic data for testing and training smaller AI models
- Contributed to an SysMLv2 parser written in Lua and C++
- Wrote NXOpen python scripts to run topology optimizations without the use of NX's UI
- Worked on the UI for a website that allows users to create and view markups using Javascript and Siemens' web components

Process Control Engineering Intern, Cleveland Cliffs (1 semester)
- Designed and developed a website using the Laraval framework and integrated it with an existing Microsoft Access database.
- Created 38 HMI (Human Machine Interface) screens
- Set up node and virtual enviornment monitoring for virtual machines InfluxDB, Telegraf, and Grafana

Technology Innovation Development Intern, FIS (1 semester)
- Improved upon existing website that used Azure to convert a PDF to a web form.
- Worked on a cryptocurrency trading app using the Ionic framework.

Skills
Programming: C++, C#, Java, Python, Javascript, Lua
Operating Systems: Windows, Linux
Web Development: Angular (Typescript), Laraval (PHP), HTML, CSS
Database: PostgreSQL, SQL
Other: Docker, AWS

Areas of Interest
- Web Developent
- Back-End Development
- Database Applications
- Game Development