Christelle Seri

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EDUCATION

University of Texas at Austin   *August 2024 - May 2026*
Masters of Data Science, GPA: 3.89

University of Illinois at Urbana-Champaign   *August 2019 - May 2023*
Bachelor of Science in Electrical Engineering with Honors, GPA: 3.78

SKILLS

- ***Programming Languages*** (Python, JavaScript, Java, Perl, SQL)
- ***Software*** (React, Tornado, Flask, Tailwind)
- ***Industry Knowledge*** (Software Applications, Web Development, Scripting)

EXPERIENCE

GDP Engineer at ERCOT   *July 2023 - Present*
Leading full stack development for an operator communications application with projected $1M impact
- Created UI mockups for a user-friendly, one-click interface (Figma)
- Designing ERDs and implementing database tables (SQL)
- Developing preliminary web design (Bootstrap, Java, Apache Tomcat, Maven)

Supported GridGeo, an application displaying the Texas Grid Map and interconnections
- Updated the UX for the Command History display (MaterialUI, React, React Redux, Java)
- Added the ability to handle user configurable text options and map style (MapBox)

Automated a verification process crucial for maintaining reliability for ERCOT's 25 million customers
- Developed a tool that performs SQL queries to verify the Texas power grid model (SQL, Python)
- Designed a website to display key information and validation (HTML, JS, CSS, Tornado)
- Reduced the duration of a weekly multiple hour process by over 50%

Software Developer Intern at Network Perception   *June - December 2021*
For their network vulnerability assessment tool
- Upgraded the UI of the network security modals and streamlined user input
- Incorporated new tables into the network vulnerability tool (UI Tables, Figma, Zeplin)
- Updated the database to store additional user information and credentials (Docker, Redis)

Software Developer Intern at Network Perception   *June - August 2020*
- Created a website to host various developer tools (Flask, MongoDB, Angular)
- Simplified the display and filtering of error logs into tables
- Facilitated day to day operations of Network Perception developers

Projects

[*Portfolio Website*](Portfolio Website)
- Developed a responsive portfolio website (React, Tailwind, Typescript, Vite)
- Designed components and web layout