Alex Rechsteiner

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EDUCATION

University of Nebraska-Lincoln (Expected Graduation May 2022)

- **Major:** Bachelor of Science in Software Engineering
- **Minor:** Mathematics
- **GPA:** 3.65/4.00
- **Awards:** Dean's List
- **Relevant Coursework:** Cybersecurity, Algorithms, Data Modeling, OS Development, Testing and Verification, Human-Computer Interaction, Data Mining, Eye Tracking, Virtual Reality

INDUSTRY EXPERIENCE

Sandhills Global Software Engineering Intern (January 2020 - Present)
- Created MVC Projects in C# and VB.NET for API Development
- Ported aging internal webpages to a .NET Core architecture
- Developed a web application that converts raw JSON to Word or Excel with OpenXML and C#
- Added features to webpages for testing locally defined API calls
- Agile/Scrum development workflow

JourneyCare Information Technology Intern (May 2019 - August 2019)
- Resolved support tickets created by employees
- Transferred cellular devices to a new carrier for a company wide rollout
- Created Excel scripts for inventory management

SKILLS

- **Languages:** Python, C#, HTML/CSS/Javascript, Java, C/C++, SQL, VB.Net, R (familiar)
- **Framework/Applications:** .Net, React Native, MySQL, Robo 3T, Docker, AWS

PROJECTS

Wireless Testbed Radio Interfacing Project (August 2021-Present)
- Creating a website for interacting with wireless radio testbeds
- Cloud data stored with AWS
- Front end developed with Laravel/PHP
- University sponsored group project (6 members)

Colorblind-Friendly Dev Environments Pilot Study (August 2021 - December 2021)
- Eye tracking study that analysed the effect of colorblindness on developer code comprehension
- Compared fixation counts, fixation durations, and regresssion counts on code snippets with and without colorblindness filters.
- Data collected through Tobii Studio and analyzed with a custom R script.
- University sponsored group project (3 members)

Nutrition Data Mobile Application (August 2020 - May 2021)
- iOS/Android React Native application
- Created front end for an algorithm that could determine nutritional value from images of food
- University sponsored group project (6 members)