

Jon H. Siudowski

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27110 Lynde Drive, Olmsted Township, OH 44138

COMPUTER SKILLS

Skills: C#/.NET, .NET Core, Blazor, Angular, ASP.NET MVC, JavaScript, jQuery, Entity Framework, MySQL, SQLite, HTML5, CSS, ReactJS, JSON, PHP

Tools: Visual Studio, Microsoft SQL Management Studio, Visual Studio Code, GitHub, Azure DevOps, Tableau, IntelliJ, Eclipse, NetBeans, Kronos, Epic

EXPERIENCE

Cleveland Clinic Foundation

Beachwood, OH

Software Development Intern, Radiology

January 2023 - Present

- Integrated and optimized data from multiple SQL Server databases into a unified Model-View-Controller (MVC) application using .NET Framework v4.8.1 for the back-end and HTML5/Bootstrap and jQuery for the front-end, improving operational efficiency for Radiology staff.
- Upgraded critical company websites from Web Forms to .NET Core 6 using Blazor as the front-end, improving user interface design and maintaining functionality for hundreds of daily users.
- Modernized a legacy laboratory database system in .NET Core 8 with Blazor front-end using MudBlazor libraries, ensuring its continued functionality by upgrading to a more efficient and scalable platform.
- Developed an internal application for configuration management and log viewing using Angular 18 with Angular Material libraries and JSON Requests for the front-end and .NET Core 8 integrated with Microsoft SQL Server 2022 for the back-end.
- Implemented a web dashboard for the results of different AI Model outputs for clinical research data by using Angular 18 and JSON for the front-end and .NET Core 8 for the backend
- Collaborated with internal teams, demonstrating professional communication and technical problem-solving, essential for working in a healthcare setting.

John Carroll University

University Heights, OH

Software Development Intern, Center for Student Diversity and Inclusion August 2024 - May 2025

- Developed a mobile application using Ionic Framework, Capacitor, ReactJS, and Firebase.
- Aimed at reducing food insecurity by notifying users of leftover food from campus events.
- Collaborated with diverse stakeholders to gather user feedback, iterate on app features, and ensure alignment with evolving requirements.

EDUCATION

John Carroll University, University Heights, OH

May 2025

Bachelor of Science

Major: Computer Science; **Minor:** History; Honors Program;

Major GPA: 3.92; **Cumulative GPA:** 3.93; **Dean's List:** 7 semesters

Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Software Development Practices, Advanced Database Systems, Models of Computation

RELEVANT PROJECTS:

Cleveland Clinic - Equipment Manager - Imaging Data Manager

- Developed an MVC application to integrate equipment data into a unified, user-friendly UI for administrators, improving workflow efficiency. This Web application used HTML5/Bootstrap and jQuery JavaScript for the front-end and .NET Framework v4.8.1 combined with Microsoft SQL Server for the back-end. Data was queried from API calls made with jQuery and JavaScript.

Cleveland Clinic - Imaging Data Manager 2.0

- Upgraded a critical company Web Forms application to a .NET Core 6 web application with Blazor as the front-end combined with open source MudBlazor, a library that expands on Blazor's capabilities. Data was stored in SQL databases contained in Microsoft SQL Server 2022.

Cleveland Clinic - CellMED

- Created a web application designed to replicate the functionality of Paradox, a database application used since 1993. The web application uses .NET Core 8 combined with Blazor and MudBlazor's open source libraries to manage critical lab data used for transplants.

Cleveland Clinic - DEID Pipeline

- Maintained a .NET Framework v4.8.1 and HTML5/Bootstrap and jQuery web application used to store and de-identify patient data for research purposes.

Cleveland Clinic - Radiology Development Portal

- Produced an internal .NET Core 8 and Angular 17 web application used to control every Radiology application currently in service and check their log outputs for any errors at any time.

Cleveland Clinic - AI Results Database UI

- Constructed a .NET Core 8 and Angular 17 web dashboard for viewing the outputs of various AI Models used by the Data Scientists inside of the Imaging Informatics Department.

SIIM Hackathon 2024 - Bias Buster - 3rd Place

- Used Seaborn and Aequitas Flow to evaluate DICOM (Digital Imaging and Communications in Medicine) data that was queried via DICOMWeb API calls and determine any level of bias in said dataset.

John Carroll University - Streaks Eat - Leftover Food Notification App

- Created a mobile app using Ionic Framework, Capacitor, ReactJS, and Firebase to notify users about leftover food from campus events, contributing to sustainability and community welfare efforts.